9/895,975

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	215	((514/259.31) or (544/254)).CCLS.	USPAT; USOCR	OR	OFF	2006/02/22 15:42
L2	66	L1 and (triazolo or imidazo)	USPAT	OR	OFF	2006/02/22 15:43

09/ 895,975

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 05	CASREACT(R) - Over 10 million reactions available
NEWS 4	DEC 14	2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 5	DEC 14	2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 6	DEC 14	CA/CAplus to be enhanced with updated IPC codes
NEWS 7	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 8	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 9	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 10	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 11	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 12	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 13	JAN 30	Saved answer limit increased
NEWS 14	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 15	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 16	FEB 22	Status of current WO (PCT) information on STN
NEWS 17	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 18	FEB 22	Updates in EPFULL; IPC 8 enhancements added

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
http://download.cas.org/express/v8.0-Discover/

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NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:10:35 ON 22 FEB 2006

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 15:10:44 ON 22 FEB 2006
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DICTIONARY FILE UPDATES:  21 FEB 2006  HIGHEST RN 874882-62-9

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*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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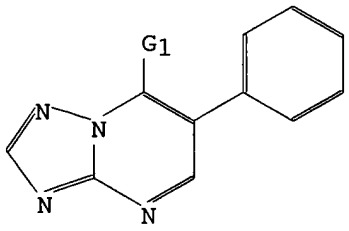

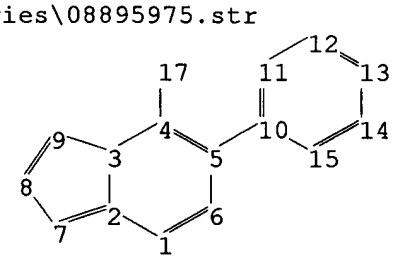


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chain nodes :
17
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15
```

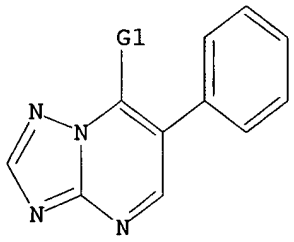
chain bonds :
4-17 5-10
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 10-11 10-15 11-12 12-13 13-14
14-15
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-17 5-6 7-8 8-9
exact bonds :
5-10
normalized bonds :
10-11 10-15 11-12 12-13 13-14 14-15
isolated ring systems :
containing 1 : 10 :

G1:C,O,S,N,SO2,NH,X,Cy,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 17:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N,SO2,NH,X,Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sample
SAMPLE SEARCH INITIATED 15:11:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 244 TO ITERATE

100.0% PROCESSED 244 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 3943 TO 5817
PROJECTED ANSWERS: 2849 TO 4471

L2 50 SEA SSS SAM L1

=> s l1 full

09/ 895,975

FULL SEARCH INITIATED 15:11:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 4721 TO ITERATE

100.0% PROCESSED 4721 ITERATIONS 3568 ANSWERS
SEARCH TIME: 00.00.03

L3 3568 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 166.94 167.15

FILE 'CAPLUS' ENTERED AT 15:11:23 ON 22 FEB 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 22 Feb 2006 VOL 144 ISS 9
FILE LAST UPDATED: 21 Feb 2006 (20060221/ED)

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http://www.cas.org/infopolicy.html

=> s l3
L4 174 L3

=> s l3/biol
174 L3
6376491 BIOL/RL
L5 166 L3/BIOL
(L3 (L) BIOL/RL)

=> s l3/thu
174 L3
754152 THU/RL
L6 6 L3/THU
(L3 (L) THU/RL)

=> d his

(FILE 'HOME' ENTERED AT 15:10:35 ON 22 FEB 2006)

FILE 'REGISTRY' ENTERED AT 15:10:44 ON 22 FEB 2006
L1 STRUCTURE UPLOADED
L2 50 S L1 SAMPLE
L3 3568 S L1 FULL

09/ 895,975

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     FILE 'CAPLUS' ENTERED AT 15:11:23 ON 22 FEB 2006
L4           174 S L3
L5           166 S L3/BIOL
L6             6 S L3/THU

=> d l5 1- ibib abs fhitstr
YOU HAVE REQUESTED DATA FROM 166 ANSWERS - CONTINUE? Y/(N):y
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L5 ANSWER 1 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:51000 CAPLUS
DOCUMENT NUMBER: 144:128995
TITLE: Preparation of 6-phenyl-7-aminotriazolo[1,5-a]pyrimidines as agrochemical fungicides.
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006005492	A1	20060119	WO 2005-EP7277	20050706

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004033239A 20040708
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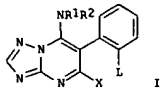


I

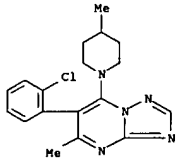
AB Title compds. [I; R1 = (substituted) alkyl, haloalkyl, cycloalkyl, halocycloalkyl, alkenyl, haloalkenyl, cycloalkenyl, halocycloalkenyl, alkynyl, haloalkynyl, Ph, naphthyl 5-6 membered saturated, partially unsatd. or aromatic heterocycle containing 1-4 O, N, S; R2 = H, R1; R1R2N = (substituted) 5-6 membered heterocyclyl, heteroaryl; L = F, Cl, Me; X = cyano, alkyl, alkoxy, haloalkoxy; with provisos], were prepared Thus, 5,7-dichloro-6-(2-chlorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine was stirred ca. 35 h with Et3N and 2-methylpiperidine in CH2Cl2 to give 64%

L5 ANSWER 1 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

5-chloro-6-(2-chlorophenyl)-7-(2-methylpiperidin-1-yl)-1,2,4-triazolo[1,5-a]pyrimidine. This was stirred ca. 15 h with NaOMe in MeOH to give 5-methoxy-6-(2-chlorophenyl)-7-(2-methylpiperidin-1-yl)-1,2,4-triazolo[1,5-a]pyrimidine. Several I at 250 ppm on tomatoes reduced Alternaria solani infection to ≤5%, vs. 90% for untreated controls.

IT **220482-09-7P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of phenylaminotriazolopyrimidines as agrochem. fungicides)

RN 220482-09-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:10855 CAPLUS
DOCUMENT NUMBER: 144:108341
TITLE: Preparation of triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Blettner, Carsten; Schieweck, Frank; Tormo i Blasco, Jordi; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schwoegler, Anja; Wagner, Oliver; Speakman, John-Bryan; Jabs, Thorsten; Strathmann, Siegfried; Schoefl, Ulrich; Scherer, Maria; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006000436	A1	20060105	WO 2005-EP6855	20050624

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004030816A 20040625
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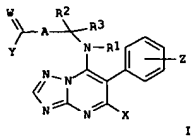

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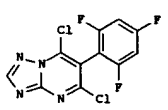

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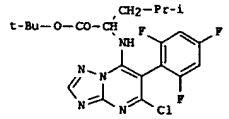


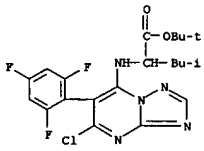
III

L5 ANSWER 2 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. I [Z = (L)m; X = halo, CN, alkyl, etc.; W = O, S; Y = OR4, NR5R6; L = halo, alkyl, alkenyl, etc.; m = 0-5; R1 = H, alkyl, CHO, etc.; R2 = H, alkyl, etc.; R3 = H, alkyl, alkoxy, etc.; R4 = H, alkyl, hydroxyalkyl, etc.; R4, R5 = H, alkyl, cycloalkyl, etc.] were prepared For example, condensation of dichloropyrimidine II and 2-amino-4-methylpentanoic acid tert-Bu ester afforded triazolopyrimidine III in > 90% yield. In alternaria solani tomato protection assays, 12-examples of compds. I at 250 ppm exhibited 90% after 5-days.

IT **872863-19-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines as agrochem. fungicides)

RN 872863-19-9 CAPLUS
CN Leucine, N-[5-chloro-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1351072 CAPLUS
DOCUMENT NUMBER: 144:88310
TITLE: Preparation of 6-(2-methylphenyl)triazolopyrimidines as agricultural fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005123740	A1	20051229	WO 2005-EP6343	20050614

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004030165A 20040622
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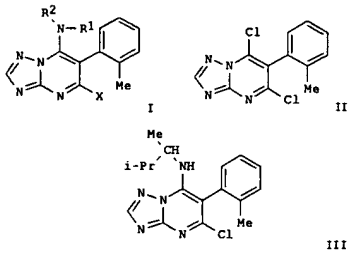
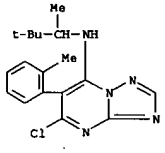


I II III

L5 ANSWER 3 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. I [R1 = alkyl, cycloalkyl, halocycloalkyl, etc.; R2 = H, alkyl, etc.; X = halo] were prepared For example, condensation of dichloropyrimidine II and 3-methyl-2-butylamine afforded triazolo[1,5-a]pyrimidine III. In alternaria solani tomato protection assays, 5-examples of compds. I at 250 ppm exhibited 100% protection after 5-days.
IT **388060-82-0P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of methylphenyltriazolopyrimidines as agricultural fungicides)
RN 388060-82-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-methylphenyl)-N-(1,2,2-trimethylpropyl)- (9CI) (CA INDEX NAME)



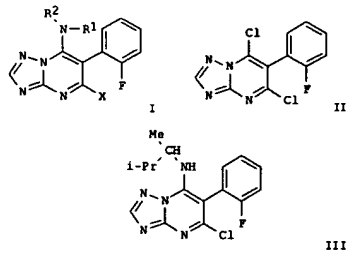
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1351039 CAPLUS
DOCUMENT NUMBER: 144:88309
TITLE: Preparation of 6-(2-fluorophenyl)triazolopyrimidines as agricultural fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005123739	A1	20051229	WO 2005-EP6342	20050614

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

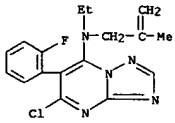
PRIORITY APPLN. INFO.: DE 2004-102004030166A 20040622
GI



I II III

L5 ANSWER 4 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. I [R1 = alkyl, halocycloalkyl, alkenyl, etc.; R2 = H, alkyl, etc.; X = halo] were prepared For example, condensation of dichloropyrimidine II and 3-methyl-2-butylamine afforded triazolo[1,5-a]pyrimidine III. In alternaria solani tomato protection assays, 6-examples of compds. I at 250 ppm exhibited 100% protection after 5-days.
IT **872105-24-3P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fluorophenyltriazolopyrimidines as agricultural fungicides)
RN 872105-24-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-ethyl-6-(2-fluorophenyl)-N-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



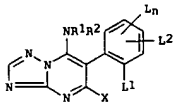
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1331355 CAPLUS
DOCUMENT NUMBER: 144:46618
TITLE: Preparation of triazolopyrimidine derivatives as fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Parra Rapado, Liliana; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005120233	A1	20051222	WO 2005-EP6170	20050608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004028084A 20040609
GI



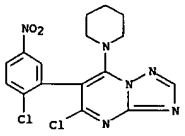
I

AB The invention relates to the preparation and fungicidal use of triazolopyrimidines I, wherein R1, R2 represent hydrogen, alkyl, alkyl halide, cycloalkyl, cycloalkyl halide, alkenyl, alkadienyl, alkenyl halide, cycloalkenyl, cycloalkenyl halide, alkynyl, alkynyl halide, cycloalkinyl, Ph, naphthyl, or a five-membered or ten-membered saturated, partially unsatd., or aromatic heterocycle containing one, two, three, or four

L5 ANSWER 5 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
heteroatoms from the group comprising O, N, or S. R1, R2 can be substituted, or R1 and R2 form five-membered to eight-membered heterocyclyl or heteroaryl along with the nitrogen atom to which the same are bound, the heterocyclyl or heteroaryl being bound via N. Furthermore, R1, R2 contain one, two, or three addnl. heteroatoms from the group comprising O, N, and S as a ring member. L represents halogen, alkyl, alkyl halide, alkoxy, alkoxy halide, alkenyloxy, cyano, etc; L1 represents halogen, alkyl, alkyl halide; L2 represents nitro, C(S)NR3R4 etc.; R3 and R4 represents hydrogen, alkyl, cycloalkyl, etc.; n represents 0, 1, 2, or 3. X represents hydrogen, cyano, alkyl, etc.

IT **187233-35-8P**
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation as fungicide)

RN 187233-35-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-5-nitrophenyl)-7-(1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

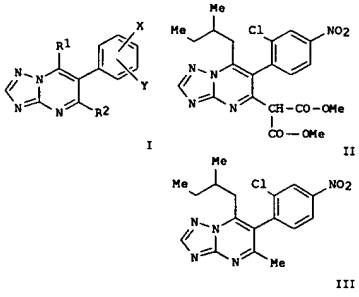
L5 ANSWER 6 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1331159 CAPLUS
DOCUMENT NUMBER: 144:69845
TITLE: Preparation of 1,3,4-triazaindolizines for controlling pathogenic fungi
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005121146	A2	20051222	WO 2005-EP6171	20050608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004028083A 20040609
GI

L5 ANSWER 6 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



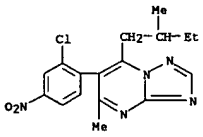
I II

III

AB Title compds. I [Y = (R)n; R = halo, CN, OH, etc.; X = NO2, CSNR3R4, etc.; R1 = alkyl, alkenyl, alkynyl, etc.; R2 = alkyl, alkenyl, alkynyl, etc.; R3, R4 = H, alkyl, cycloalkyl, etc.; n = 0-4] were prepared For example, NaOMe mediated decarboxylation of malonate II afforded triazaindolizine III in 60% yield. In alternaria solani tomato protection assays, triazaindolizine III at 250 ppm after 5-days exhibited 95% protection.

IT **712273-01-3P**, 5-Methyl-6-(2-chloro-4-nitrophenyl)-7-(2-methylbutyl)-1,2,4-triazolo[1,5-a]pyrimidine
RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); SPN (Synthetic preparation); ANST (Analytical study); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazaindolizines for controlling pathogenic fungi)

RN 712273-01-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-4-nitrophenyl)-5-methyl-7-(2-methylbutyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 7 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

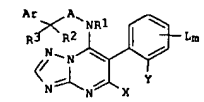
ACCESSION NUMBER: 2005:1262721 CAPLUS
DOCUMENT NUMBER: 144:22938
TITLE: Preparation of triazolopyrimidine compounds and their use for controlling pathogenic fungi
INVENTOR(S): Blettner, Carsten; Schieweck, Frank; Tormo, I. Blasco Jordi; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schwoegler, Anja; Wagner, Oliver; Speakman, John-Bryan; Jabs, Thorsten; Strathmann, Siegfried; Schoefl, Ulrich; Scherer, Maria; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005113555	A1	20051201	WO 2005-EP5270	20050513

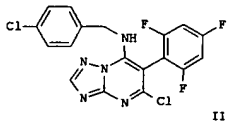
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004024349A 20040517
DE 2004-102004029446A 20040618
OTHER SOURCE(S): MARPAT 144:22938
GI

L5 ANSWER 7 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I



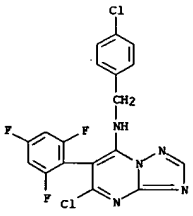
II

AB The invention relates to novel triazolopyrimidine compds. I [R1, R2, R3 = H, (un)substituted C1-4-alkyl; X = halogen, CN, C1-4-alkyl, C1-4-haloalkyl, C1-4-alkoxy, C1-4-haloalkoxy; Y = halogen, C1-4-alkyl, C1-4-haloalkyl; L = halogen, C1-6-alkyl, C2-6-alkenyl, C1-6-haloalkyl, C1-6-alkoxy, C1-6-haloalkoxy, NO2, NH2, NHR, NR2, CN, S(O)nA1, C(:O)A2; m = 0 - 4; Ar = Ph, 5- or 6-membered heteroarom. containing 1 - 3 heteroatoms selected from O, S or N (optionally substituted with a fuse dbenzole or having 1 - 5 Ra's); A = bond, CR4R5; R = C1-8-alkyl, C1-8-alkylcarbonyl; A1 = H, OH, C1-8-alkyl, C1-8-alkylamino, di(C1-8-alkyl)amino; A2 = C2-8-alkenyl, C1-8-alkoxy, C1-6-haloalkoxy; Ra = halogen, CN, NO2, OH, SH, NH2, CO2H, CONH2CSNH2, C1-4-alkyl, C1-4-haloalkyl, etc.] to their use for controlling pathogenic fungi and to agricultural pesticides containing compds. of this type as active constituents. Thus, 7-(4-chlorobenzylamino)-5-chloro--6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine (II) was prepared from 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine via regioselective amination with 4-chlorobenzylamine in CH2C12 containing Et3N. The fungicidal activity of II was determined [only 3% infection on "Golden Princess" tomato plant leaves by Alternaria solani at 250 ppm].

IT **870252-60-1P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidine compds. and their use for controlling pathogenic fungi)

RN 870252-60-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-[(4-chlorophenyl)methyl]-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 7 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1262708 CAPLUS
DOCUMENT NUMBER: 143:473909
TITLE: Synergistic fungicide mixture comprising a triazolopyrimidine and a pyridine derivative
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005112643	A1	20051201	WO 2005-EP4482	20050427

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004023248A 20040507

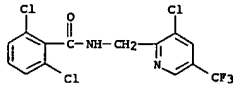
AB A synergistic fungicide mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and 2,6-dichloro-N-(3-chloro-5-trifluoromethylpyridin-2-ylmethyl)benzamide.

IT **869734-64-5**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture)

RN 869734-64-5 CAPLUS
CN Benzamide, 2,6-dichloro-N-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

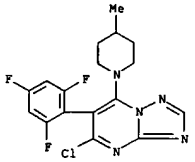
CRN 239110-15-7
CMF C14 H8 Cl3 F3 N2 O



CM 2

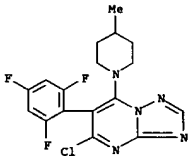
L5 ANSWER 8 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

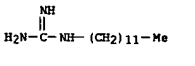


CM 2

CRN 2439-10-3
CMF C13 H29 N3 . C2 H4 O2

CM 3

CRN 112-65-2
CMF C13 H29 N3



CM 4

CRN 64-19-7
CMF C2 H4 O2

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1260906 CAPLUS
DOCUMENT NUMBER: 143:473908
TITLE: Synergistic fungicide mixture for rice comprising a triazolopyrimidine derivative and dodine
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005112642	A1	20051201	WO 2005-EP4481	20050427

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004023160A 20040507

AB A synergistic fungicide mixture for rice comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1.5-a]pyrimidine and dodine.

IT **869731-97-5**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture for rice)

RN 869731-97-5 CAPLUS

CN Guanidine, dodecyl-, monoacetate, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

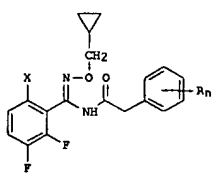
L5 ANSWER 10 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1259631 CAPLUS
DOCUMENT NUMBER: 144:1622
TITLE: Synergistic fungicidal mixtures comprising triazolopyrimidine and oxime ether derivatives
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005112641	A1	20051201	WO 2004-EP5281	20040517

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: WO 2004-EP5281 20040517
OTHER SOURCE(S): MARPAT 144:1622
GI



I

AB Synergistic fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and an oxime derivative I (X = haloalkyl or haloalkoxy; R= halo, alkyl, haloalkyl, alkoxy or haloalkoxy; n= 0, 1, 2 or 3). The invention also relates to a method for controlling harmful fungi with mixts. of compds. (I) and (II), to the agents containing said mixts. and to the utilization of compds. (I) and (II) for the production of said mixts.

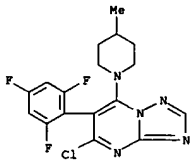
IT **869857-85-2**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 869857-85-2 CAPLUS

L5 ANSWER 10 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN Benzeneacetamide, N-[[(cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-, [N(Z)]-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

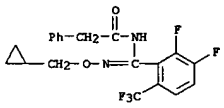
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

CRN 180409-60-3
CMF C20 H17 F5 N2 O2

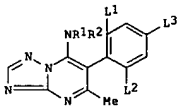


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1242496 CAPLUS
DOCUMENT NUMBER: 143:473906
TITLE: Synergistic fungicidal mixtures comprising triazolopyrimidines
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110080	A2	20051124	WO 2005-EP5070	20050511
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			DE 2004-102004024193A	20040513
			DE 2004-102004024797A	20040517
OTHER SOURCE(S):	MARPAT 143:473906			

GI



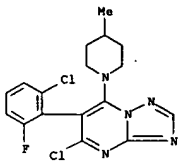
I

AB The invention relates to synergistic fungicidal mixts. containing a 5-methyl-7-aminotriazolopyrimidine derivative I, wherein R1 is alkyl, halogenalkyl, alkenyl or cyclopentyl, R2 is hydrogen or alkyl, R1 and R2

L5 ANSWER 11 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
together with the nitrogen atom to which they are bound may form a piperidinyl cycle substitutable by a Me group, L1 is fluorine or chlorine, L2, L3 are independently from each other hydrogen, fluorine or chlorine, and at least one active substance selected from azoles, strobilurins, acylalanines, amine derivs., anilinopyrimidines, dicarboximides, cinnamic acid amides and analogs thereof, antibiotics, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., other fungicides and growth retardants.
IT **261516-04-5**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)
RN 261516-04-5 CAPLUS
CN Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester, mixt. with 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

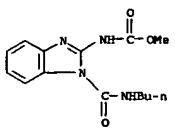
CM 1

CRN 187233-48-3
CMF C17 H16 Cl2 F N5



CM 2

CRN 17804-35-2
CMF C14 H18 N4 O3



L5 ANSWER 12 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1242492 CAPLUS
DOCUMENT NUMBER: 143:473905
TITLE: Synergistic fungicidal mixtures comprising triazolopyrimidine derivatives
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Rademacher, Wilhelm
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110084	A2	20051124	WO 2005-EP5073	20050511
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			DE 2004-102004024194A	20040513
OTHER SOURCE(S):	MARPAT 143:473905			

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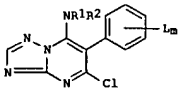
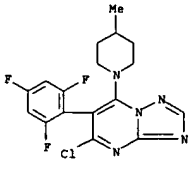


I

AB Synergistic fungicidal mixts. comprise a triazolopyrimidine derivative I (R1 = alkyl, halonalkyl or alkenyl; R2 = hydrogen or R1; R1R2 = alkylene; L = fluorine, chlorine or bromine; m = 2 or 3) and gibberellin biosynthesis and/or auxin transport inhibitors.
IT **869490-99-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)
RN 869490-99-3 CAPLUS
CN Cyclohexanecarboxylic acid, 3,5-dioxo-4-(1-oxopropyl)-, ion(1-), calcium, calcium salt, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (2:1:1:1) (9CI) (CA INDEX NAME)

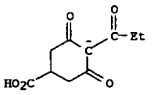
CM 1

L5 ANSWER 12 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

CRN 127277-53-6
CMF C10 H11 O5 . 1/2 Ca . 1/2 Ca



●1/2 Ca^{2+}

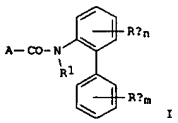
●1/2 Ca

L5 ANSWER 13 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1242397 CAPLUS
DOCUMENT NUMBER: 143:473904
TITLE: Synergistic fungicide mixtures comprising a triazolopyrimidine and biphenyl amide derivatives
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110089	A2	20051124	WO 2005-EP5069	20050511

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004024203A 20040513
OTHER SOURCE(S): MARPAT 143:473904
GI

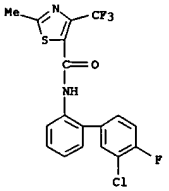


AB The title fungicide mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1.5-a]pyrimidine and a biphenyl amide I [A = (un)subtituted oxathiin or 5-membered heteroaryl; R1 = H, alkyl, alkylcarbonyl or a carbonyl bonded group A; Ra, Rb = halo, cyano, alkyl, halogenalkyl, alkoxycarbonyl, alkoxy, halogenalkoxy, alkylthio, alkylcarbonyl, formyl or, alkylene- or alkenylene which connects two adjacent carbon atoms; m = 0, 1, 2, 3, 4 or 5, n = 0, 1 or 2].
IT 869731-28-2

L5 ANSWER 13 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixt.)
RN 869731-28-2 CAPLUS
CN 5-Thiazolecarboxamide, N-(3'-chloro-4'-fluoro[1,1'-biphenyl]-2-yl)-2-methyl-4-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

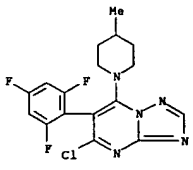
CM 1

CRN 577794-35-5
CMF C18 H11 Cl F4 N2 O S



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

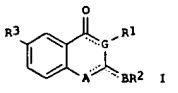


L5 ANSWER 14 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1242375 CAPLUS
DOCUMENT NUMBER: 143:473903
TITLE: Synergistic fungicide mixtures comprising a triazolopyrimidine derivative.
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Rheinheimer, Joachim
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110088	A2	20051124	WO 2005-EP5068	20050511

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

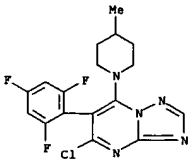
PRIORITY APPLN. INFO.: DE 2004-102004024201A 20040513
DE 2005-102005011582A 20050310
OTHER SOURCE(S): MARPAT 143:473903
GI



AB The title fungicide mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and I (A = O or N; B = N or direct bond; G = C or N; R1 = alkyl; R2 = alkoxy; R3 = halo).
IT 869731-85-1
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture)
RN 869731-85-1 CAPLUS
CN 4(3H)-Quinazolinone, 6-iodo-2-propoxy-3-propyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

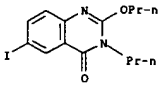
CM 1

L5 ANSWER 14 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

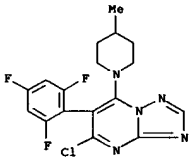


CM 2

CRN 189278-12-4
CMF C14 H17 I N2 O2

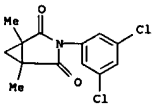


L5 ANSWER 15 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 32809-16-8
CMF C13 H11 Cl2 N O2



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1242369 CAPLUS
DOCUMENT NUMBER: 143:473902
TITLE: Synergistic fungicidal composition comprising a triazolopyrimidine derivative and procymidone
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110087	A1	20051124	WO 2005-EP5067	20050511

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004024192A 20040513
AB Synergistic fungicidal compns. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and procymidone. A method for controlling pathogenic fungi using the compds. (I) and (II) mixts., the use the compds. (I) and (II) for producing such mixts. and agents containing said mixts. are also disclosed.
IT **869491-21-4**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)
RN 869491-21-4 CAPLUS
CN 3-Azabicyclo[3.1.0]hexane-2,4-dione, 3-(3,5-dichlorophenyl)-1,5-dimethyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 16 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1200331 CAPLUS
DOCUMENT NUMBER: 143:434119
TITLE: Synergistic fungicide mixture comprising a triazolopyrimidine derivative and iprodione
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

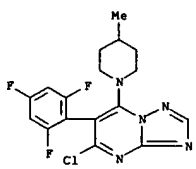
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005104850	A2	20051110	WO 2005-EP3995	20050415

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004020769A 20040427
AB A synergistic fungicide mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and iprodione. The mixture is especially useful to control Drechslera.
IT **868566-99-8**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture)
RN 868566-99-8 CAPLUS
CN 1-Imidazolidinecarboxamide, 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

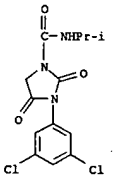
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 16 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 36734-19-7
CMF C13 H13 C12 N3 O3



L5 ANSWER 17 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1200305 CAPLUS
DOCUMENT NUMBER: 143:434134
TITLE: Synergistic fungicidal mixture comprising a triazolopyrimidine derivative and pyrifenox
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005104849	A1	20051110	WO 2005-EP3997	20050415

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004020846A 20040427

AB A synergistic fungicidal mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and pyrifenox. The mixts. are especially useful against Alternaria.

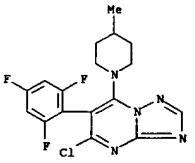
IT **868567-05-9**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 868567-05-9 CAPLUS
CN Ethanone, 1-(2,4-dichlorophenyl)-2-(3-pyridinyl)-, O-methyloxime, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

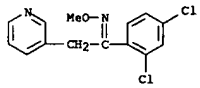
CRN 214706-53-3
CMF C17 H15 C1 F3 N5

L5 ANSWER 17 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 88283-41-4
CMF C14 H12 C12 N2 O



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 18 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1196027 CAPLUS
DOCUMENT NUMBER: 143:434112
TITLE: Synergistic fungicidal mixtures containing sulfamoyl compounds
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus; Mueller, Bernd; Suarez-Cervieri, Miguel Octavio; Niedenbrueck, Matthias
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

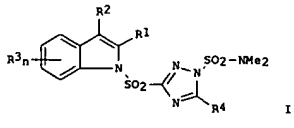
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005104847	A1	20051110	WO 2005-EP4387	20050423

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004021766A 20040430
DE 2004-102004025032A 20040518

OTHER SOURCE(S): MARPAT 143:434112

GI



I

AB Synergistic fungicidal mixts. contain sulfamoyl compds. I (R1 = H, halo, cyano, alkyl, haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, Ph, benzyl, formyl, or CH:NOA; A = H, alkyl, alkylcarbonyl; R2 = H, halo, cyano, alkyl, haloalkyl, alkoxycarbonyl; R3 = halo, cyano, nitro, alkyl, haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, formyl, or CH:NOA; n = 0, 1, 2, 3, or 4; R4 = H, halo, cyano, alkyl, or haloalkyl) and at least one active substance selected among azoles, strobilurine, acylalanine, amine derivs., anilinopyrimidines, dicarboximides, cinnamides and analogs, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides,

L5 ANSWER 18 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs.,or other fungicides.

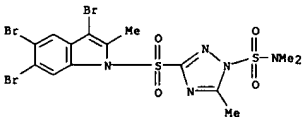
IT **868761-63-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

RN 868761-63-1 CAPLUS

CN 1H-1,2,4-Triazole-1-sulfonamide, N,N,5-trimethyl-3-[(3,5,6-tribromo-2-methyl-1H-indol-1-yl)sulfonyl]-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

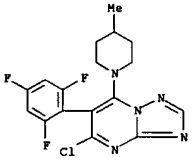
CM 1

CRN 868761-62-0
CMF C14 H14 Br3 N5 O4 S2



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 19 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1171569 CAPLUS
DOCUMENT NUMBER: 143:401137
TITLE: Synergistic fungicidal mixtures comprising a triazolopyrimidine derivative and spiroxamine
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005102052	A1	20051103	WO 2005-EP4002	20050415

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004019935A 20040421

AB Synergistic fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and spiroxamin. The mixts. are especially active against Puccinia recondita.

IT **867176-78-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

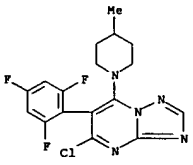
RN 867176-78-1 CAPLUS

CN 1,4-Dioxaspiro[4.5]decane-2-methanamine, 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

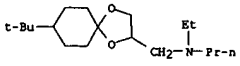
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 19 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 118134-30-8
CMF C18 H35 N O2



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

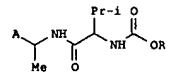
L5 ANSWER 20 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1170902 CAPLUS
DOCUMENT NUMBER: 143:401136
TITLE: Synergistic fungicidal mixtures comprising a triazolopyrimidine derivative and a valine amide
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Niedenbrueck, Matthias
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005102053	A1	20051103	WO 2005-EP4003	20050415

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004019934A 20040421
OTHER SOURCE(S): MARPAT 143:401136
GI



I

AB Synergistic fungicidal compns. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and at least one valine amide derivative I, wherein A represents Ph, naphthyl or benzothiazolyl, which can be unsubstituted or substituted by Me or halogen, and R represents alkyl.

IT **867178-21-0**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 867178-21-0 CAPLUS

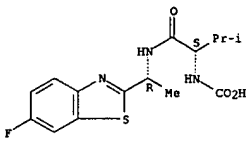
CN Carbamic acid, [(1S)-1-[[[(1R)-1-(6-fluoro-2-benzothiazolyl)ethyl]amino]carbonyl]-2-methylpropyl]-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 413615-35-7

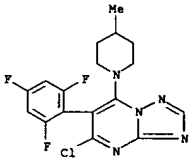
L5 ANSWER 20 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CMF C15 H18 F N3 O3 S

Absolute stereochemistry.



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 21 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1170890 CAPLUS
DOCUMENT NUMBER: 143:401135
TITLE: Synergistic fungicidal mixtures containing a triazolopyrimidine derivative and a copper salt.
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005102051	A1	20051103	WO 2005-EP4001	20050415

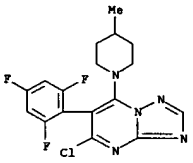
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004019933A 20040421
AB Synergistic fungicidal mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and a copper fungicide.
IT **867172-21-2**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)
RN 867172-21-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with copper chloride oxide hydrate (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 21 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 1332-40-7
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 22 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1106849 CAPLUS
DOCUMENT NUMBER: 143:361642
TITLE: Synergistic ternary fungicidal mixtures
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005094583	A1	20051013	WO 2005-EP3213	20050326

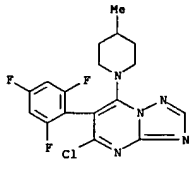
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004016084A 20040330
AB Synergistic ternary fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, a strobilurin derivative (pyraclostrobin or orysastrobin) and a
fungicide selected from acylalanines, amine derivs., anilinopyrimidines, antibiotics, azoles, dicarboximides, dithiocarbamates, copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., cinnamic acid derivs. and their analogs and anilazine, benomyl, boscalid, carbendazim, carboxin, oxycarboxin, cyazofamid, dazomet, dithianon, famoxadone, fenamidone, fenarimol, fuberidazole, flutolanil, furametpyr, isoprothiolane, mepronil, nuarimol, picobenzamide, probenazole, proquinazid, pyrifenox, pyroquilon, quinoxyfen, silthiofam, thiabendazole, thifluzamide, thiophanate-Me, tiadinil, tricyclazole, triforine, sulfur, acibenzolar-S-Me, benthiavalicarb, carpropamid, chlorothalonil, cyflufenamid, cymoxanil, dazomet, diclomezine, diclocymet, diethofencarb, edifenphos, ethaboxam, fenhexamid, fentin acetate, fenoxanil, ferimzone, fluazinam, phosphorous acid, fosetyl, fosetyl-aluminum, iprovalicarb, hexachlorobenzene, metrafenone, pencycuron, propamocarb, phthalide, tolclofos-Me, quintozene and zoxamideamt.
IT **866130-56-5**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic ternary fungicidal mixture)
RN 866130-56-5 CAPLUS
CN Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide (9CI) (CA INDEX NAME)

CM 1

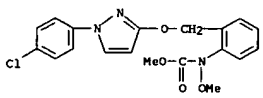
L5 ANSWER 22 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

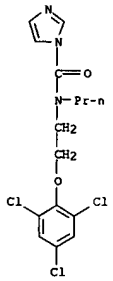
CRN 175013-18-0
CMF C19 H18 Cl N3 O4



CM 3

CRN 67747-09-5
CMF C15 H16 Cl3 N3 O2

L5 ANSWER 22 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

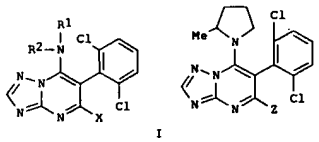
L5 ANSWER 23 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1103782 CAPLUS
DOCUMENT NUMBER: 143:387055
TITLE: Preparation of 6-(2,6-dichlorophenyl)triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095405	A2	20051013	WO 2005-EP4187	20050329
WO 2005095405	A3	20051222		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004016082A 20040330
OTHER SOURCE(S): MARPAT 143:387055
GI



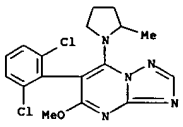
I II

AB Title compds. I [R1, R2 = H, alkyl, haloalkyl, etc.; X = alkyl, CN, alkoxy, etc.] were prepared For example, condensation of tetrabutylammonium cyanide and chloropyrimidine II (Z = Cl) afforded nitrile II (Z = CN). In cucumber sphaerotheca fuliginea protection assays, 2-examples of compds. I at 250 ppm, exhibited 100% protection after 7-days.

IT 866789-78-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP

L5 ANSWER 23 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(Preparation); USES (Uses)
(prepn. of dichlorophenyltriazolopyrimidines as agrochem. fungicides)

RN 866789-78-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-dichlorophenyl)-5-methoxy-7-(2-methyl-1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



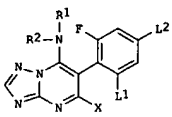
L5 ANSWER 24 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1103781 CAPLUS
DOCUMENT NUMBER: 143:387054
TITLE: Preparation of 6-(2-fluorophenyl)triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095404	A2	20051013	WO 2005-EP3208	20050326

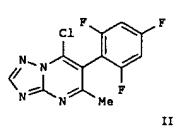
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004016082A 20040330
GI

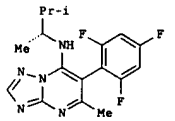
L5 ANSWER 24 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I

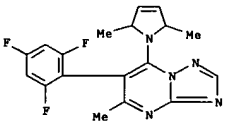


II



III

AB Title compds. I [R1 = alkyl, haloalkyl, (un)substituted cycloalkyl, etc.; R2 = H, alkyl with provisos; L1 = Cl, F; L = H when L1 = F, F; X = alkyl] were prepared For example, condensation of chloropyrimidine II and (2R)-3-methyl-2-butanamine afforded triazolopyrimidine III. In cucumber sphaerotheca fuliginea protection assays, 3-examples of compds. I at 250 ppm, exhibited 100% protection after 7-days.
IT **773149-31-8P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fluorophenyltriazolopyrimidines as agrochem. fungicides)
RN 773149-31-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-(2,5-dihydro-2,5-dimethyl-1H-pyrrol-1-yl)-5-methyl-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

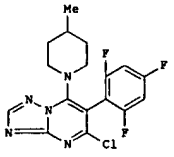


L5 ANSWER 25 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1103510 CAPLUS
DOCUMENT NUMBER: 143:341081
TITLE: Synergistic fungicidal compositions comprising a triazolopyrimidine derivative and a phenylamidine derivative
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005094582	A1	20051013	WO 2005-EP2846	20050317

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004014286A 20040322
OTHER SOURCE(S): MARPAT 143:341081
GI



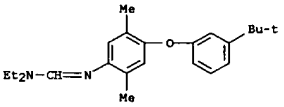
I

AB Synergistic fungicidal compns. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and a phenylamidine derivative I [R1, R4, R5 = alkyl, alkenyl or alkynyl; R2, R3 = cyano, alkyl, alkenyl, alkynyl, alkoxy, alkoxyalkyl, benzyloxy or alkylcarbonyl; n = 0 or 1; A = bond, O, S, NH, CH2, OCH2, etc.; R6 = Ph or 5- or 6-membered saturated, partially unsatd. or aromatic heterocycle, containing 1-4 heteroatoms (O, N or S)].
IT **865079-38-5**

L5 ANSWER 25 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal compn.)
RN 865079-38-5 CAPLUS
CN Methanimidamide, N'-[4-[3-(1,1-dimethylethyl)phenoxy]-2,5-dimethylphenyl]-N,N-diethyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

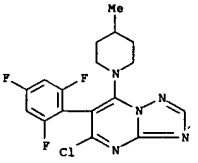
CM 1

CRN 287940-77-6
CMF C23 H32 N2 O



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



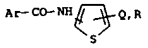
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 26 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1075571 CAPLUS
DOCUMENT NUMBER: 143:320592
TITLE: Synergistic fungicidal mixtures comprising a triazolopyrimidine derivative and an anilide.
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gewehr, Markus
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005092100	A1	20051006	WO 2005-EP3007	20050322

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004015397A 20040326
OTHER SOURCE(S): MARPAT 143:320592
GI



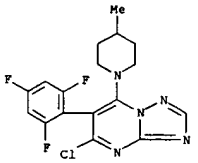
I

AB Synergistic fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and an anilide I [Ar = Ph or a 5- or 6-membered (un)substituted heterocyclyl; R = Ph, alkyl, haloalkyl, alkoxy; Q = H, alkyl, haloalkyl, alkoxy, haloalkoxy].
IT **865365-17-9**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 865365-17-9 CAPLUS
CN 1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

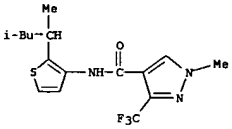
CRN 214706-53-3

L5 ANSWER 26 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CMF C17 H15 Cl F3 N5



CM 2

CRN 183675-82-3
CMF C16 H20 F3 N3 O S



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 27 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1042011 CAPLUS
DOCUMENT NUMBER: 143:300739
TITLE: Synergistic fungicide mixture of a triazolopyrimidine derivative and picoxystrobin
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

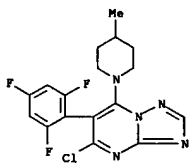
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005089555	A1	20050929	WO 2005-EP2730	20050315

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004013396A 20040317
AB A synergistic fungicide mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and picoxystrobin. The mixture is especially active against Oomycete.
IT **864662-27-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture)
RN 864662-27-1 CAPLUS
CN Benzeneacetic acid, α-(methoxymethylene)-2-[[[6-(trifluoromethyl)-2-pyridinyl]oxy]methyl]-, methyl ester, (αE)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

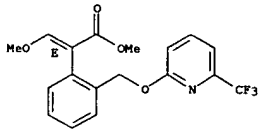


L5 ANSWER 27 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 117428-22-5
CMF C18 H16 F3 N O4

Double bond geometry as shown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 28 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1042010 CAPLUS
DOCUMENT NUMBER: 143:300738
TITLE: Synergistic fungicidal mixture of a triazolopyrimidine derivative and tolylfluanid
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

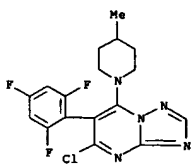
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005089554	A1	20050929	WO 2005-EP2686	20050314

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

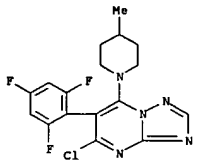
PRIORITY APPLN. INFO.: DE 2004-102004012749A 20040315
AB A synergistic fungicidal mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and tolylfluanid.
IT 864662-41-9
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal mixture)
RN 864662-41-9 CAPLUS
CN Methanesulfenamide, 1,1-dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-(4-methylphenyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

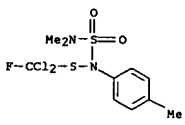


L5 ANSWER 28 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 731-27-1
CMF C10 H13 Cl2 F N2 O2 S2



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 29 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1042009 CAPLUS
DOCUMENT NUMBER: 143:300737
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and vinclozolin
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005089553	A1	20050929	WO 2005-EP2683	20050314

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004012750A 20040315
AB Synergistic fungicidal mixts. rice comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and vinclozolin. Pyricularia oryzae is a target.
IT 864662-31-7
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal mixture)
RN 864662-31-7 CAPLUS
CN 2,4-Oxazolidinedione, 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

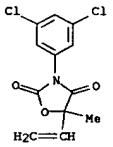
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 29 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 50471-44-8
CMF C12 H9 Cl2 N O3



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 30 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1042001 CAPLUS
DOCUMENT NUMBER: 143:300734
TITLE: Synergistic fungicidal mixture comprising a triazolopyrimidine derivative and thiophanate-methyl
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005089542	A2	20050929	WO 2005-EP2684	20050314
WO 2005089542	A3	20051222		

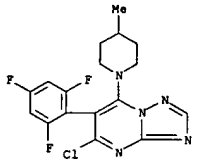
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004012752A 20040315
AB Synergistic fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and thiophanate-Me.
IT **864523-39-7**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 864523-39-7 CAPLUS
CN Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

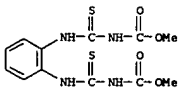
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 30 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 23564-05-8
CMF C12 H14 N4 O4 S2



L5 ANSWER 31 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:976908 CAPLUS
DOCUMENT NUMBER: 143:261855
TITLE: Synergistic fungicide mixtures containing a triazolopyrimidine derivative and fenarimol
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082147	A1	20050909	WO 2005-EP1758	20050219

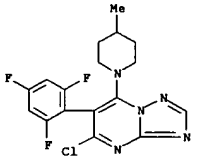
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004009938A 20040226
AB Synergistic fungicide mixts. contain 5-chloro-7-(4-methylpyridin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (I) and fenarimol (II) in a weight ratio of 100:1 to 1:100. Thus, I + II at 16 + 16 ppm synergistically controlled Plasmopara viticola in grape.
IT **863664-36-2**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(as synergistic fungicide)
RN 863664-36-2 CAPLUS
CN 5-Pyrimidinemethanol, α-(2-chlorophenyl)-α-(4-chlorophenyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

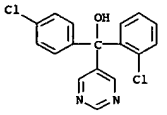
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 31 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 60168-88-9
CMF C17 H12 Cl2 N2 O



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 32 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:976907 CAPLUS
DOCUMENT NUMBER: 143:261854
TITLE: Synergistic fungicide mixtures containing triazolopyrimidine derivative and dichlofluanid for controlling rice pathogens
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082146	A1	20050909	WO 2005-EP1757	20050219

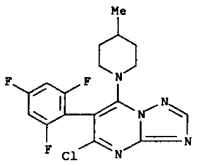
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004009941A 20040226
AB Fungicidal mixts. for controlling pathogenic fungi contain 5-chloro-7-(4-methylpyridin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (I) and dichlofluanid (II) in a weight ratio of 100:1 to 1:100. The invention also relates to methods for controlling plant pathogenic fungi using mixts. of I and II, to the use of compds. I and II for producing such mixts., and to agents containing said mixts. Thus, I + II at 4 + 4 ppm synergistically controlled Corticium sasakii in rice.
IT **863659-81-8**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixts. for controlling rice pathogens)
RN 863659-81-8 CAPLUS
CN Methanesulfenamide, 1,1-dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-phenyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

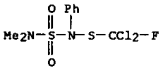
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 32 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 1085-98-9
CMF C9 H11 Cl2 F N2 O2 S2



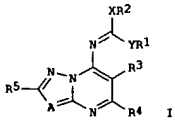
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 33 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:962261 CAPLUS
DOCUMENT NUMBER: 143:266948
TITLE: Preparation of azolopyrimidines as agrochemical fungicides.
INVENTOR(S): Schwoegler, Anja; Gewehr, Markus; Mueller, Bernd; Grote, Thomas; Grammenos, Wassilios; Tormo i Blasco, Jordi; Rheinheimer, Joachim; Blettner, Carsten; Schaefer, Peter; Schieweck, Frank; Wagner, Oliver; Stierl, Reinhard; Schoefl, Ulrich; Strathmann, Siegfried; Scherer, Maria
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005080396	A2	20050901	WO 2005-EP1965	20050224
WO 2005080396	A3	20051124		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

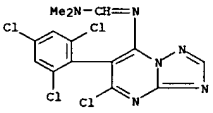
PRIORITY APPLN. INFO.: DE 2004-102004009178A 20040225
GI



I

AB Title compds. [I; A = N, CR6; X, Y = bond, O, S, NR7; R1, R2 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, Ph, phenylalkyl, naphthyl, naphthylalkyl, (aromatic) heterocyclyl, heterocyclylalkyl, etc.; YR1, XR2 = H, cyano, NO2, halo, atoms to form (substituted) (heterocyclic) 5-7 membered rings, etc.; R3 = (substituted) alkyl, alkenyl, alkadienyl, alkynyl, cycloalkyl, cycloalkenyl, bicycloalkyl, Ph, phenylalkyl, naphthyl, (aromatic) heterocyclyl, heterocyclylalkyl, etc.; R4 = halo, cyano, alkyl, haloalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, etc.; R5 = H, cyano, NO2, NH2, CH2NH2, halo, haloalkyl, alkyl, alkenyl, etc.], were prepared Thus, a -8° mixture of POCl3 and DMF was treated with 7-amino-5-chloro-6-(2,4,6-trifluorophenyl)triazolo[1,5-a]pyrimidine hydrochloride in DMF and Et3N to

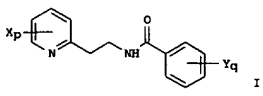
L5 ANSWER 33 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
give 66% I (YR1 = NMe2; XR2, R5 = H; R3 = 2,4,6-trifluorophenyl; R4 = Cl). The latter at 250 ppm reduced incidence of Alternaria solani on tomatoes to ≤1%, vs. 100% for untreated controls.
IT **863604-54-0P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of azolopyrimidines as agrochem. fungicides)
RN 863604-54-0 CAPLUS
CN Methanimidamide, N'-[5-chloro-6-(2,4,6-trichlorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



L5 ANSWER 34 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:891133 CAPLUS
DOCUMENT NUMBER: 143:207619
TITLE: Synergistic fungicidal composition comprising a pyridylethylbenzamide derivative and a compound capable of inhibiting mitosis and cell division
INVENTOR(S): Gouot, Jean-Marie; Grosjean-Cournoyer, Marie-Claire
PATENT ASSIGNEE(S): Bayer Cropscience SA, Fr.
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077180	A1	20050825	WO 2005-EP2565	20050210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1563733	A1	20050817	EP 2004-356018	20040212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

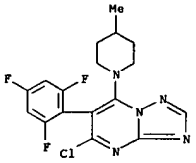
PRIORITY APPLN. INFO.: EP 2004-356018 A 20040212
US 2004-636954P P 20041217
OTHER SOURCE(S): MARPAT 143:207619
GI



I

AB A composition comprising at least a pyridylethylbenzamide derivative I (X = halo, alkyl or haloalkyl; Y = X, alkenyl, alkynyl, alkoxy, amino, phenoxy, etc.; p = 1-4; q = 1-5) or a 2-pyridine N-oxide thereof, and a compound capable of inhibiting mitosis and cell division are synergistic fungicides. The composition optionally further comprises an addnl. fungicide.
IT **214706-53-3D**, mixts. with pyridylethylbenzamide derivs.
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal compns.)
RN 214706-53-3 CAPLUS

L5 ANSWER 34 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

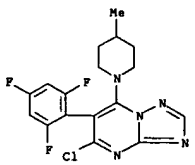
L5 ANSWER 35 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:888891 CAPLUS
DOCUMENT NUMBER: 143:207616
TITLE: Synergistic fungicidal mixture containing a triazolopyrimidine derivative and flutolanil
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; Tormo I Blasco, Jordi
SOURCE: PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077185	A1	20050825	WO 2005-EP1430	20050212
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2004-102004007743A 20040216
AB Synergistic fungicidal mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and flutolanil.
IT **862490-50-4**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 862490-50-4 CAPLUS
CN Benzamide, N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

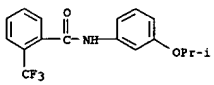
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 35 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 66332-96-5
CMF C17 H16 F3 N O2



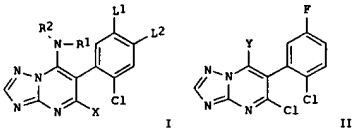
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 36 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:696913 CAPLUS
DOCUMENT NUMBER: 143:194021
TITLE: Preparation of 6-(5-halophenyl)triazolopyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005070933	A1	20050804	WO 2005-EP377	20050115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2004-102004003732A 20040123
DE 2004-102004051101A 20041019

GI

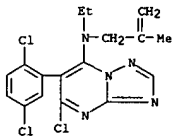


I

II

AB Title compds. I [R1, R2 = H, alkyl, cycloalkyl, etc.; L1 = F, Cl, Br; L2 = H, alkyl, alkoxy; X = halo, CN, alkyl, etc.] were prepared For example, aminoarom. substitution of 2-butylamine and chlorotriazolopyrimidine II (Y = Cl) afforded triazolopyrimidine II (Y = CH(Me)Et). In puccina recomdita (triticina) protection assays, 13-examples of compds. I at 63 ppm,

L5 ANSWER 36 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
provided 85-90% protection.
IT **861901-69-1P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 6-(5-halophenyl)triazolopyrimidines as fungicides)
RN 861901-69-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,5-dichlorophenyl)-N-ethyl-N-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

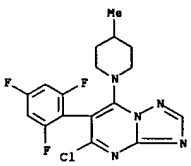
L5 ANSWER 37 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:696691 CAPLUS
DOCUMENT NUMBER: 143:168100
TITLE: Synergistic fungicidal mixture for control of rice pathogens, comprising a triazolopyrimidine derivative and tridemorph
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005070208	A1	20050804	WO 2005-EP379	20050115
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2004-102004004215A 20040127
AB Synergistic fungicidal mixts. for control of rice pathogens comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and tridemorph.
IT **860629-70-5**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for control of rice pathogens,)
RN 860629-70-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with tridemorph (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 37 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 81412-43-3
CMF Unspecified
CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 38 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:673052 CAPLUS
DOCUMENT NUMBER: 143:148211
TITLE: Synergistic fungicide mixtures containing a triazolopyrimidine derivative and fluoxastrobin
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005067716	A1	20050728	WO 2005-EP313	20050114

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004003053A 20040120
DE 2004-102004016084A 20040330

AB Synergistic fungicide mixts. contain 5-chloro-7-(4-methylpyridin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (I) and fluoxastrobin (II) in a weight ratio of 100:1 to 1:100. The mixts. are applied to soil or seeds to combat phytopathogenic fungi. Thus, I + II at 4 + 16 ppm synergistically controlled Corticium sasakii in rice.

IT **860295-83-6**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixts. for controlling phytopathogenic fungi)

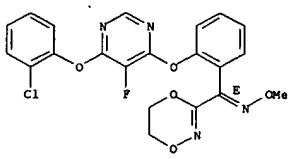
RN 860295-83-6 CAPLUS
CN Methanone, [2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)-, O-methyloxime, (1E)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 361377-29-9
CMF C21 H16 Cl F N4 O5

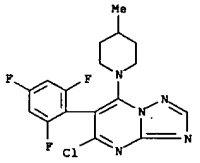
Double bond geometry as shown.

L5 ANSWER 38 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 39 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:673051 CAPLUS
DOCUMENT NUMBER: 143:148210
TITLE: Synergistic fungicide mixtures containing a triazolopyrimidine derivative and fenpropidin
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005067715	A1	20050728	WO 2005-EP260	20050113

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004003054A 20040120

AB Synergistic fungicide mixts. contain 5-chloro-7-(4-methylpyridin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (I) and fenpropidin (II) as active ingredients, in a weight ratio of 100:1 to 1:100. The invention also relates to methods for controlling pathogenic fungi, especially Oomycetes. Thus, I + II at 16 + 16 ppm synergistically controlled Plasmopara viticola in grape.

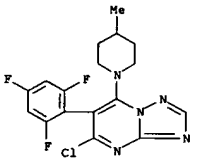
IT **860266-08-6**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 860266-08-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 1-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]piperidine (9CI) (CA INDEX NAME)

CM 1

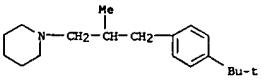
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 39 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 67306-00-7
CMF C19 H31 N



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 40 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:673050 CAPLUS
DOCUMENT NUMBER: 143:148209
TITLE: Synergistic fungicide mixtures containing a triazolopyrimidine derivative and pencycuron
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005067714	A1	20050728	WO 2005-EP257	20050113

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004002368A 20040115

AB Synergistic fungicide mixts. contain 5-chloro-7-(4-methylpyridin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (I) and fluoxastrobin (II) in a weight ratio of 100:1 to 1:100. Thus, I + II at 4 + 16 ppm synergistically controlled Pyricularia oryzae in rice.

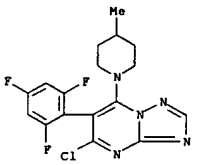
IT **860308-43-6**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixts.)

RN 860308-43-6 CAPLUS
CN Urea, N-[(4-chlorophenyl)methyl]-N-cyclopentyl-N'-phenyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

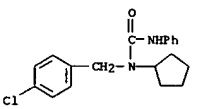
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 40 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 66063-05-6
CMF C19 H21 Cl N2 O



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

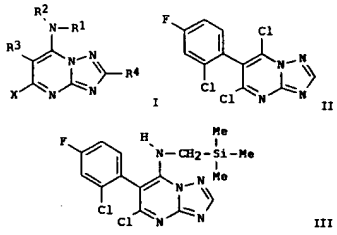
L5 ANSWER 41 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:588972 CAPLUS
DOCUMENT NUMBER: 143:115563
TITLE: Preparation of triazolopyrimidines as fungicides
INVENTOR(S): Gebauer, Olaf; Gayer, Herbert; Heinemann, Ulrich; Herrmann, Stefan; Hillebrand, Stefan; Elbe, Hans-Ludwig; Ebbert, Ronald; Wachendorff-Neumann, Ulrike; Dahmen, Peter; Kuck, Karl-Heinz
PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061503	A1	20050707	WO 2004-EP14592	20041222

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10360370	A1	20050714	DE 2003-10360370	20031222
PRIORITY APPLN. INFO.:			DE 2003-10360370	A 20031222

GI

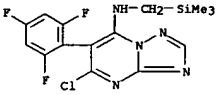


AB Title compds. I [R1 = H, R2, alkyl, etc.; alkylsilane with provisos; R3 = (un)substituted aryl, heterocycle, alkyl, etc.; R4 = H, halo, haloalkyl, etc.; X = halo, CN, alkyl, etc.] were prepared For example, aminoarom. substitution of dichloropyrimidine II and trimethylsilylmethylamine afforded triazolopyrimidine III in 58% yield. In podosphaera leucotricha

L5 ANSWER 41 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
apple protection assays, 6-examples of compds. I at 100 g/ha (sic) exhibited after 10-days 90% protection.

IT **214706-75-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines as fungicides)

RN 214706-75-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4,6-trifluorophenyl)-N-[(trimethylsilyl)methyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 42 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:588970 CAPLUS
DOCUMENT NUMBER: 143:115562
TITLE: Preparation of 6-(aminocarbonylphenyl)triazolopyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061502	A1	20050707	WO 2004-EP14393	20041217
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2003-10360392 A 20031219
DE 2004-102004003767A 20040123
DE 2004-102004019456A 20040419

GI

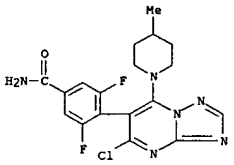
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [Y = Lm; L = halo, CN, alkyl, etc.; m = 1-4; R1, R2 = H, alkyl, haloalkyl, etc.; X = halo, CN, alkyl, etc.] were prepared For example, saponification and decarboxylation of dimethylmalonate II afforded triazolopyrimidine III. In botrytis cinerea protection assays, 5-examples of compds. I, at 63 ppm application, after 5-days exhibited 75% protection.

IT **857505-18-1P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of aminocarbonylphenyltriazolopyrimidines as fungicides)

RN 857505-18-1 CAPLUS
CN Benzamide, 4-[5-chloro-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]-3,5-difluoro- (9CI) (CA INDEX NAME)

L5 ANSWER 42 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 43 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:588603 CAPLUS
DOCUMENT NUMBER: 143:73251
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and chlorothalonil
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005060754	A1	20050707	WO 2004-EP13071	20041118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2003-10355980 A 20031127

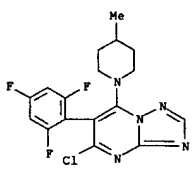
AB A synergistic fungicidal mixture for rice comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and chlorothalonil. The invention is especially useful for controlling Corticium sasakii.

IT **856000-19-6**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 856000-19-6 CAPLUS
CN 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

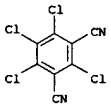
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 43 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 1897-45-6
CMF C8 Cl4 N2



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 44 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:588601 CAPLUS
DOCUMENT NUMBER: 143:73250
TITLE: Synergistic fungicidal mixture comprising a triazolopyrimidine derivative and cyproconazole
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

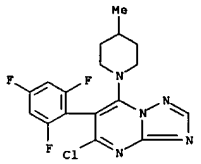
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005060753	A1	20050707	WO 2004-EP13068	20041118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2003-10356105 A 20031127
AB A synergistic fungicidal mixture comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and cyproconazole. The mixture is especially useful for the control of Oomycetes.
IT **856000-36-7**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 856000-36-7 CAPLUS
CN 1H-1,2,4-Triazole-1-ethanol, α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

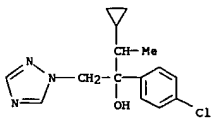
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 44 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 94361-06-5
CMF C15 H18 Cl N3 O

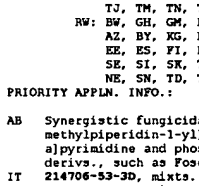


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 45 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:588599 CAPLUS
DOCUMENT NUMBER: 143:92502
TITLE: Synergistic fungicidal mixtures for rice comprising a triazolopyrimidine derivative
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005060752	A1	20050707	WO 2004-EP13066	20041118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2003-10356104 A 20031127
DE 2004-102004012753A 20040315
AB Synergistic fungicidal mixts. for rice comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and phosphorous acid, its alkali or alkaline earth salts or derivs., such as Fosethyl-Al.
IT **214706-53-3D**, mixts. with phosphites
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixts. for rice)
RN 214706-53-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 46 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:588597 CAPLUS
DOCUMENT NUMBER: 143:92501
TITLE: Synergistic fungicidal mixtures for rice comprising a triazolopyrimidine derivative
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

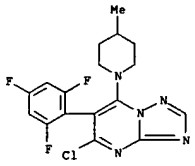
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005060751	A1	20050707	WO 2004-EP13065	20041118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2003-10356004 A 20031127
DE 2004-102004012572A 20040312
AB Synergistic fungicidal mixts. for controlling rice pathogens comprises 5-chloro-7-(4-methylpiperidin-1-y)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1.5-a]pyrimidine and a dithiocarbamate, i.e. mancozeb, maneb, metiram, zineb and thiram.
IT **856190-57-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)
RN 856190-57-3 CAPLUS
CN Manganese, [[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)-κS,κS']-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and [[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)-κS,κS']zinc (9CI) (CA INDEX NAME)

CM 1

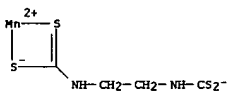
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 46 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



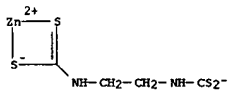
CM 2

CRN 12427-38-2
CMF C4 H6 Mn N2 S4
CCI CCS



CM 3

CRN 12122-67-7
CMF C4 H6 N2 S4 Zn
CCI CCS



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 47 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:570900 CAPLUS
DOCUMENT NUMBER: 143:97393
TITLE: Preparation of triazolopyrimidines in the control of plant pathogenic fungi
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

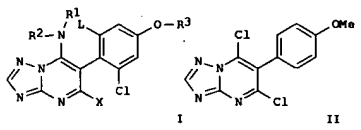
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058906	A1	20050630	WO 2004-EP14274	20041215

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

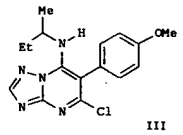
PRIORITY APPLN. INFO.:
DE 2003-10359435 A 20031217
DE 2003-10360399 A 20031219
DE 2004-102004003769A 20040123
DE 2004-102004019457A 20040419

GI

L5 ANSWER 47 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I II

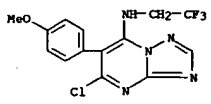


III

AB Title compds. I [L = H, Cl, Br; R1, R2 = H, alkyl, cycloalkyl, etc.; R3 = alkyl, alkenyl, alkynyl, etc.; X = halo, CN, alkyl, etc.] were prepared For example, aminoarom. substitution of dichloropyrimidine II and 2-butylamine afforded triazolopyrimidine III. In botrytis cinerea protection assays, 1-example of compound I, at 63 ppm application, after 5-days exhibited 90% protection rate.

IT 214634-35-2P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines in the control of plant pathogenic fungi)

RN 214634-35-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-methoxyphenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 48 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:570899 CAPLUS
DOCUMENT NUMBER: 143:97392
TITLE: Preparation of 6-(2-fluoro-4-alkoxyphenyl)-triazolopyrimidines as fungicides
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

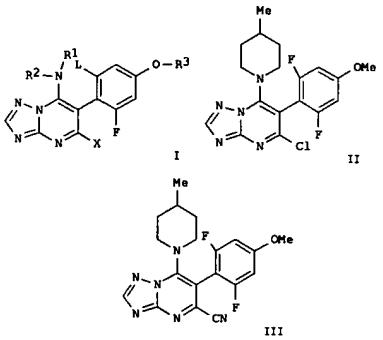
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058905	A1	20050630	WO 2004-EP14228	20041214

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:
DE 2003-10359435 A 20031217

GI

L5 ANSWER 48 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I II III

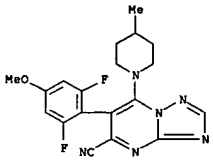
AB Title compds. I [R1 = alkyl, haloalkyl, cycloalkyl, etc.; R2 = H, or together with R1 with provisos; R3 = alkyl, haloalkyl, alkenyl, etc.; L = H, F, Cl; X = CN, alkyl, alkoxy, etc.] were prepared For example, tetrabutylammonium cyanide mediated nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In botrytis cinerea protection assays, 3-examples of compds. I, at 250 ppm application, after 5-days exhibited 80% protection.

IT **856452-98-7P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of alkoxyphenyltriazolopyrimidines as fungicides)

RN 856452-98-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,6-difluoro-4-methoxyphenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 48 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 49 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

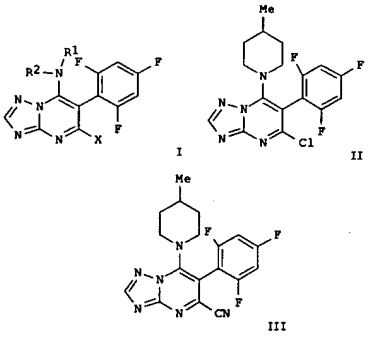
ACCESSION NUMBER: 2005:570897 CAPLUS
DOCUMENT NUMBER: 143:97391
TITLE: Preparation of 6-(2,4,6-trifluorophenyl)triazolopyrimidines for combating pathogenic fungi
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058900	A1	20050630	WO 2004-EP13063	20041118

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10355387 A 20031125
GI

L5 ANSWER 49 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I II III

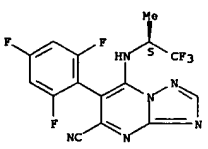
AB Title compds. I [R1 = alkyl, haloalkyl, cycloalkyl, etc.; R2 = H, or together with R1 with provisos; X = CN, alkoxy, alkenyloxy, etc.] were prepared For example, tetrabutylammonium cyanide medaited nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In sphaerotheca fuliginea protection assays, 4-examples of compds. I, at 63 ppm application, after 7-days exhibited 100% protection.

IT **856543-22-1P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of trifluorophenyltriazolopyrimidines for combating pathogenic fungi)

RN 856543-22-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-[[(1S)-2,2,2-trifluoro-1-methylethyl]amino]-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS

L5 ANSWER 49 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

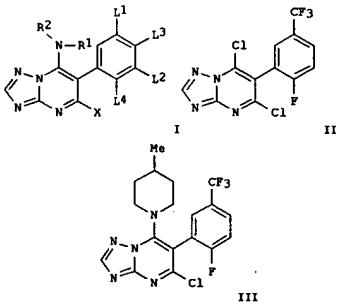
L5 ANSWER 50 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:564672 CAPLUS
DOCUMENT NUMBER: 143:97387
TITLE: Preparation of 6-(2-halophenyl)triazolopyrimidines as fungicides
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 78 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058907	A1	20050630	WO 2004-EP14328	20041216

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10360047 A 20031218
DE 2004-102004019458A 20040419
GI

L5 ANSWER 50 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



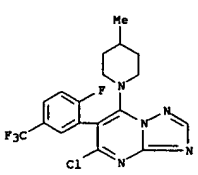
I II III

AB Title compds. I [R1, R2 = alkyl, cycloalkyl, alkenyl, etc.; L1, L2 = H, CN, alkoxy, etc.; L3 = H, halo, CN, etc.; L4 = halo; X = halo, CN, alkyl, etc.] were prepared For example, aminoarom. substitution of dichloropyrimidine II and 4-methylpiperdine afforded triazolopyrimidine III. In botrytis cinerea protection assays, 50-examples of compds. I at 63 ppm application after 5-days exhibited 70% protection rate.

IT **856890-67-0P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of halophenyltriazolopyrimidines as fungicides)

RN 856890-67-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-[2-fluoro-5-(trifluoromethyl)phenyl]-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

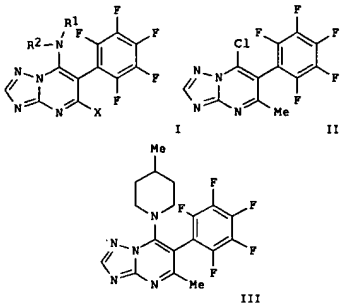
L5 ANSWER 51 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:564671 CAPLUS
DOCUMENT NUMBER: 143:97386
TITLE: Preparation of 6-pentafluorophenyltriazolopyrimidines for combating pathogenic fungi
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058904	A1	20050630	WO 2004-EP14210	20041214

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10359452 A 20031217
GI

L5 ANSWER 51 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



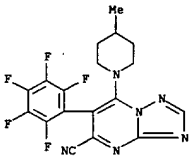
I II III

AB Title compds. I [R1 = alkyl, cycloalkyl, alkenyl, etc.; R2 = H, or together with R1 with provisos; X = CN, alkyl, alkoxy, etc.] were prepared For example, aminoarom. substitution of dichloropyrimidine II and 4-methylpiperidine afforded triazolopyrimidine III. In botrytis cinerea protection assays, 3-examples of compds. I, at 63 ppm application, after 5-days exhibited 90% protection rate.

IT **856285-64-8P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of pentafluorophenyltriazolopyrimidines for combating pathogenic fungi)

RN 856285-64-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(4-methyl-1-piperidinyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 51 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 52 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

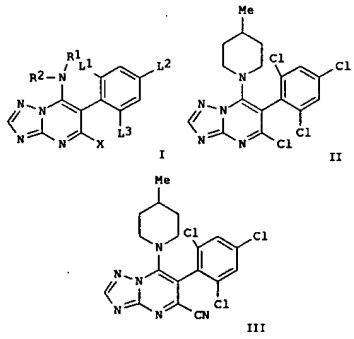
ACCESSION NUMBER: 2005:564670 CAPLUS
DOCUMENT NUMBER: 143:97385
TITLE: Preparation of 6-(2,4,6-trihalophenyl)triazolopyrimidines for combating pathogenic fungi
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058903	A1	20050630	WO 2004-EP14208	20041214

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10359439 A 20031217
GI

L5 ANSWER 52 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



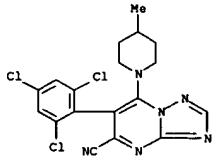
I II III

AB Title compds. I [R1 = alkyl, cycloalkyl, alkenyl, etc.; R2 = H, or together with R1 with provisos; L1, L2, L3 = Cl, F; X = CN, alkyl, alkoxy, etc.] were prepared For example, tetrabutylammonium cyanide mediated nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In botrytis cinerea protection assay, 1-example compound I, at 250 ppm application, after 5-days exhibited 100% protection.

IT **856285-73-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of trihalophenyltriazolopyrimidines for combating pathogenic fungi)

RN 856285-73-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(4-methyl-1-piperidinyl)-6-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 52 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

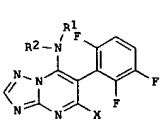
L5 ANSWER 53 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:564669 CAPLUS
DOCUMENT NUMBER: 143:97384
TITLE: Preparation of 6-(2,3,6-trifluorophenyl)triazolopyrimidines for combating pathogenic fungi
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058902	A1	20050630	WO 2004-EP14206	20041214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			DE 2003-10359442 A	20031217

GI

L5 ANSWER 53 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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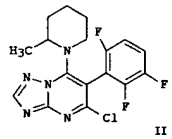

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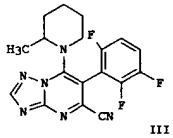


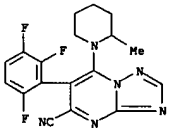
III

AB Title compds. I [R1 = alkyl, haloalkyl, cycloalkyl, etc.; R2 = H, or together with R1 with provisos; X = CN, alkyl, alkoxy, etc.] were prepared For example, tetrabutylammonium cyanide mediated nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In botrytis cinerea protection assays, 4-examples of compds. I, at 250 ppm application, after 5-days exhibited 90% protection.

IT **856558-77-5P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of trifluorophenyltriazolopyrimidines for combating pathogenic fungi)

RN 856558-77-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(2-methyl-1-piperidinyl)-6-(2,3,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 54 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:540442 CAPLUS
DOCUMENT NUMBER: 143:54927
TITLE: Synergistic fungicidal mixture comprising a triazolopyrimidine derivative and dinocap.
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005055721	A1	20050623	WO 2004-EP13936	20041208
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			DE 2003-10358073 A	20031210

AB Synergistic fungicidal mixts. comprise a mixture of 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5]pyrimidine and dinocap. The mixt. is useful for the control of OOmycetes, especially Plasmopara viticola.

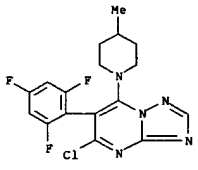
IT **854008-30-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 854008-30-3 CAPLUS

CN 2-Butenoic acid, 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

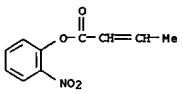
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 54 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 39300-45-3
CMF C18 H24 N2 O6
CCI IDS



D1-NO_2

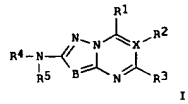
D1-(C_8H_{17})

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 55 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:523459 CAPLUS
DOCUMENT NUMBER: 143:60006
TITLE: Preparation of triazolo[1,5-a]pyrimidines and related compounds as TIE-2 kinase inhibitors
INVENTOR(S): Schiemann, Kai; Hoelzemann, Guenter; Rautenberg, Wilfried
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
SOURCE: PCT Int. Appl., 188 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005054246	A2	20050616	WO 2004-EP12523	20041105
WO 2005054246	A3	20050728		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10356579	A1	20050707	DE 2003-10356579	20031204
PRIORITY APPLN. INFO.:			DE 2003-10356579 A	20031204
OTHER SOURCE(S):			MARPAT 143:60006	

GI



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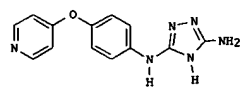

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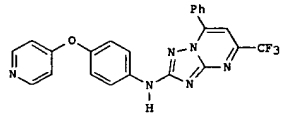
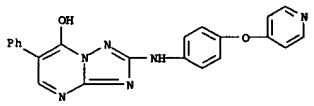


III

L5 ANSWER 55 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
AB Title compds. I [X = C, N; B = N, CH, C-CN; R1 = O, OH, NH2, etc.; R2 = C, N with provisos; R3 = H, A, SA, etc.; A = alkyl with provisos; R4 = (CH2)s(Ar1)n-Ar; R5 = H, CH3; Y = O, S, NH, etc.; S = 0-4; Ar = Ph, naphthyl, biphenyl; Ar1 = phenylene, piperazindiyl (sic); R6 = (CH2)rNH2, (CH2)rNHA, (CH2)rNA2, etc.; r = 0-4] and their pharmaceutically acceptable salts and formulations were prepared. For example, condensation of amine II and 4,4,4-trifluoro-1-phenyl-1,3-butandione afforded triazolo[1,5-a]pyrimidine III in 68% yield. Compds. I are claimed to be useful as TIE-2 kinase inhibitors.
IT 854273-04-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of triazolo[1,5-a]pyrimidines and related compds. as TIE-2 kinase inhibitors)
RN 854273-04-4 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-ol, 6-phenyl-2-[[4-(4-pyridinyloxy)phenyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)

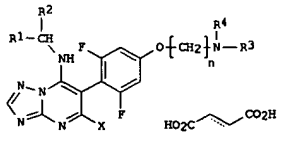


● HCl

L5 ANSWER 56 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:497488 CAPLUS
DOCUMENT NUMBER: 143:26646
TITLE: Preparation of 1,2,4-triazolo[1,5-a]pyrimidines as tubulin inhibitors
INVENTOR(S): Wu, Yanzhong; Schmid, Jean; Afragola, Jay Thomas; Blum, David; Ayral-Kaloustian, Semiramis
PATENT ASSIGNEE(S): Wyeth, John, and Brother Ltd., USA
SOURCE: U.S. Pat. Appl. Publ., 13 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005124635	A1	20050609	US 2004-7839	20041208
WO 2005056560	A1	20050623	WO 2004-US40854	20041207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			US 2003-527931P P	20031208
OTHER SOURCE(S):			CASREACT 143:26646; MARPAT 143:26646	

GI



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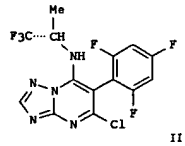

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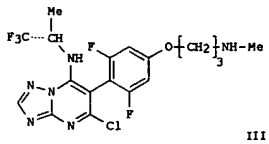
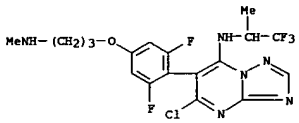


III

L5 ANSWER 56 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
AB Title compds. I [R1 = CF3, C2F5; R2 = H, alkyl; n = 2-4; X = Cl, Br; R3, R4 = H, alkyl with provisos] and their pharmaceutically acceptable salts were prepared For example, condensation of triflurophenyl II and 3-methylaminopropan-1-ol, after aqueous work-up afforded the dihydrate succinate salt of triazolopyrimidine III in 80% yield.
IT **852954-78-0P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 1,2,4-triazolo[1,5-a]pyrimidines as tubulin inhibitors)
RN 852954-78-0 CAPLUS
CN Butanedioic acid, compd. with 5-chloro-6-[2,6-difluoro-4-[3-(methylamino)propoxy]phenyl]-N-(2,2,2-trifluoro-1-methylethyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 849550-37-4
CMF C18 H19 Cl F5 N6 O



CM 2

CRN 110-15-6
CMF C4 H6 O4

L5 ANSWER 57 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:423699 CAPLUS
DOCUMENT NUMBER: 142:458556
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and propiconazole
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044009	A1	20050519	WO 2004-EP12513	20041105

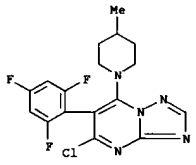
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10352873 A 20031110
AB A synergistic fungicidal mixture for rice comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and propiconazole. The mixture is especially effective against Pyricularia oryzae.
IT **851445-63-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)
RN 851445-63-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

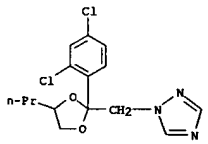
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 57 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 60207-90-1
CMF C15 H17 Cl2 N3 O2



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 58 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:405333 CAPLUS
DOCUMENT NUMBER: 142:425354
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and fenpiclonil
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041668	A1	20050512	WO 2004-EP12119	20041027

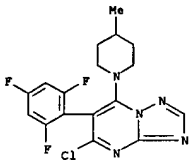
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10350814 A 20031029
AB A synergistic fungicidal mixture for rice comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]-pyrimidine and fenpiclonil. The mixture is especially useful against Cochliobolus miyabeanus.
IT **851024-79-8**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)
RN 851024-79-8 CAPLUS
CN 1H-Pyrrole-3-carbonitrile, 4-(2,3-dichlorophenyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

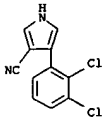
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 58 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



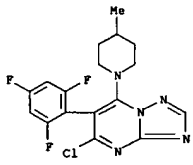
CM 2

CRN 74738-17-3
CMF C11 H6 C12 N2



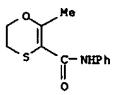
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 59 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 5234-68-4
CMF C12 H13 N O2 S



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 59 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:405332 CAPLUS
DOCUMENT NUMBER: 142:425353
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and carboxin
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041667	A1	20050512	WO 2004-EP12116	20041027

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10350813 A 20031029
AB A synergistic fungicidal mixture for rice comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1.5-a]pyrimidine and carboxin. The mixture is especially effective against Pyricularia oryzae.
IT **851024-87-8**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)
RN 851024-87-8 CAPLUS
CN 1,4-Oxathiin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 60 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:405331 CAPLUS
DOCUMENT NUMBER: 142:425352
TITLE: Synergistic fungicidal mixture comprising a triazolopyrimidine derivative and fludioxonil
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

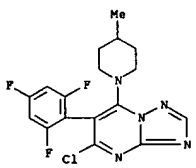
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041666	A1	20050512	WO 2004-EP12115	20041027

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10350820 A 20031029
AB A synergistic fungicidal mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]-triazolo[1,5-a]pyrimidine and fludioxonil.
IT **851025-36-0**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 851025-36-0 CAPLUS
CN 1H-Pyrrole-3-carbonitrile, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

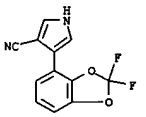
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 60 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 131341-86-1
CMF C12 H6 F2 N2 O2

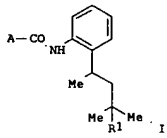


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 61 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:405320 CAPLUS
DOCUMENT NUMBER: 142:425351
TITLE: Synergistic fungicidal combinations comprising a carboxamide derivative
INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

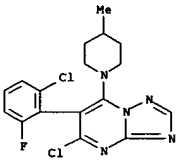
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041653	A2	20050512	WO 2004-EP11403	20041012
WO 2005041653	A3	20050728		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10349501	A1	20050525	DE 2003-10349501	20031023
PRIORITY APPLN. INFO.:			DE 2003-10349501 A	20031023
OTHER SOURCE(S):			MARPAT 142:425351	

GI



AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R1 = H, halo or (halo)alkyl; R1 = (un)substituted Ph, furyl, pyridinyl, etc.] and any of a very large number of known fungicides.
IT **187233-48-3D**, mixture with carboxamide derivative

L5 ANSWER 61 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal compn.)
RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



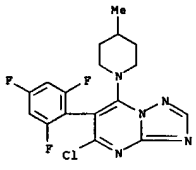
L5 ANSWER 62 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:394995 CAPLUS
DOCUMENT NUMBER: 142:406017
TITLE: Synergistic fungicidal mixture of a triazolopyrimidine derivative and carbendazim
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005039295	A1	20050506	WO 2004-EP12114	20041027
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			DE 2003-10350811 A	20031029

AB A mixture of 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and carbendazim is a synergistic agrochem. fungicide.
IT **850456-48-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 850456-48-3 CAPLUS
CN Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

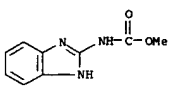
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 62 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 10605-21-7
CMF C9 H9 N3 O2



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 63 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:369188 CAPLUS
DOCUMENT NUMBER: 142:406012
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and metalaxyl-M.
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005036964	A1	20050428	WO 2004-EP11256	20041008

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10349058 A 20031017

AB A synergistic fungicidal mixture for rice comprise 5-chloro-7-(4-methylpipedridin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and metalaxyl-M. The mixture is especially useful for controlling Pyricularia oryzae.

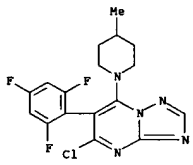
IT **850246-66-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)

RN 850246-66-1 CAPLUS
CN D-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

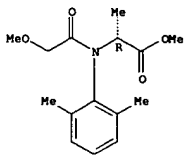
L5 ANSWER 63 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 70630-17-0
CMF C15 H21 N O4

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 64 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:369187 CAPLUS
DOCUMENT NUMBER: 142:387632
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and sulfur
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005036960	A2	20050428	WO 2004-EP11257	20041008
WO 2005036960	A3	20050707		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10349097 A 20031017

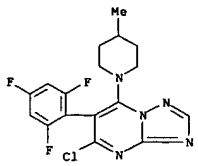
AB A synergistic fungicidal mixture of 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]-triazolo[1,5-a]pyrimidine and sulfur are suited for the control of fungal pathogens of rice, such as Cochliobolus miyabeanus.

IT **850016-23-8**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)

RN 850016-23-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with sulfur (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 64 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 7704-34-9
CMF S

S

L5 ANSWER 65 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:346776 CAPLUS
DOCUMENT NUMBER: 142:369300
TITLE: Synergistic fungicidal mixture for rice comprising triazolopyrimidine derivative and fluazinam
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034630	A1	20050421	WO 2004-EP11184	20041007

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10347662 A 20031009

AB The title mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trichlorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and fluazinam.

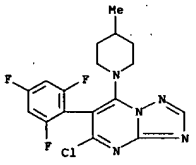
IT **849609-12-7**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 849609-12-7 CAPLUS
CN 2-Pyridinamine, 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

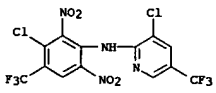
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 65 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 79622-59-6
CMF C13 H4 Cl2 F6 N4 O4



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 66 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:346775 CAPLUS
DOCUMENT NUMBER: 142:369299
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative and fenhexamid
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034629	A1	20050421	WO 2004-EP11025	20041002

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10347660 A 20031009

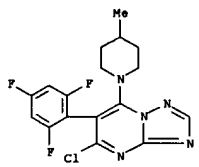
AB The title mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and fenhexamid.

IT **849607-40-5**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)

RN 849607-40-5 CAPLUS
CN Cyclohexanecarboxamide, N-(2,3-dichloro-4-hydroxyphenyl)-1-methyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

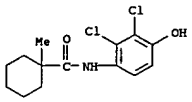
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 66 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CM 2

CRN 126833-17-8
CMF C14 H17 Cl2 N O2

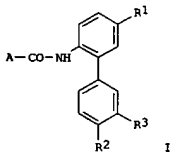


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 67 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:346774 CAPLUS
DOCUMENT NUMBER: 142:387616
TITLE: Synergistic fungicidal combinations comprising carboxamide derivatives
INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anne; Rieck, Heiko
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 141 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

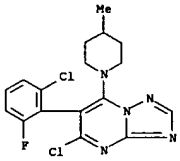
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034628	A1	20050421	WO 2004-EP10830	20040928
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10347090	A1	20050504	DE 2003-10347090	20031010
PRIORITY APPLN. INFO.:			DE 2003-10347090 A	20031010

OTHER SOURCE(S): MARPAT 142:387616
GI



AB Synergistic fungicidal mixts. comprise a carboxamide derivative I [R1= H or F; R2 = halo, (halo)alkyl or (halo)alkoxy; , R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.} and any of 22 groups of known fungicides.

L5 ANSWER 67 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
IT **187233-48-3D**, mixture with carboxamide derivative
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal combination)
RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

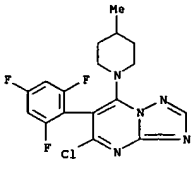
L5 ANSWER 68 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:316290 CAPLUS
DOCUMENT NUMBER: 142:369292
TITLE: Synergistic fungicidal mixture for rice comprising a triazolopyrimidine derivative, captan and folpet
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005032257	A1	20050414	WO 2004-EP10241	20040914
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			DE 2003-10344147 A	20030922
			DE 2004-102004022684A	20040505

AB The title mixture comprises 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, captan and folpet.
IT **849607-12-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 849607-12-1 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine and 2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

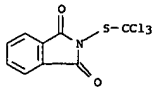
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 68 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

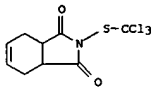
CM 2

CRN 133-07-3
CMF C9 H4 Cl3 N O2 S



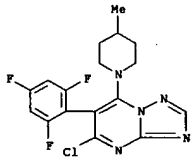
CM 3

CRN 133-06-2
CMF C9 H8 Cl3 N O2 S



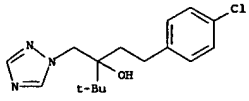
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 69 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 107534-96-3
CMF C16 H22 Cl N3 O



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 69 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:316289 CAPLUS
DOCUMENT NUMBER: 142:369291
TITLE: Synergistic fungicidal mixture comprising a triazolopyrimidine derivative and tebuconazole
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005032256	A1	20050414	WO 2004-EP10918	20040930

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10346136 A 20031001
AB The title mixture comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)- [1,2,4]triazolo[1,5-a]pyrimidine and tebuconazole.
IT **849606-59-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 849606-59-3 CAPLUS
CN 1H-1,2,4-Triazole-1-ethanol, α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 70 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:316288 CAPLUS
DOCUMENT NUMBER: 142:369290
TITLE: Synergistic fungicide mixture comprising a triazolopyrimidine derivative and quinoxyfen
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

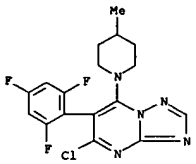
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005032255	A1	20050414	WO 2004-EP10917	20040930

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10355295 A 20031001
AB The title mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and quinoxyfen.
IT **849604-63-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture)
RN 849604-63-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 5,7-dichloro-4-(4-fluorophenoxy)quinoline (9CI) (CA INDEX NAME)

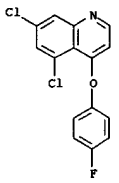
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 70 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CM 2

CRN 124495-18-7
CMF C15 H8 C12 F N O



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 71 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:316287 CAPLUS
DOCUMENT NUMBER: 142:369289
TITLE: Synergistic fungicide mixtures for the control of rice pathogens comprising a triazolopyrimidine derivative and trifloxystrobin.
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005032254	A1	20050414	WO 2004-EP10910	20040930

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

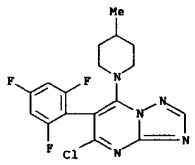
PRIORITY APPLN. INFO.:	DE 2003-10346138	A 20031001
	DE 2004-102004016084A	20040330

AB The title mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and trifloxystrobin.
IT **849606-20-8**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixture)
RN 849606-20-8 CAPLUS
CN Benzeneacetic acid, α-(methoxyimino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (αE)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

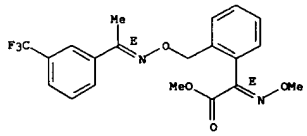
L5 ANSWER 71 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 141517-21-7
CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 72 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:316286 CAPLUS
DOCUMENT NUMBER: 142:369301
TITLE: Synergistic fungicide mixtures comprising a triazolopyrimidine derivative and metconazole
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005032249	A2	20050414	WO 2004-EP10242	20040914
WO 2005032249	A3	20050623		

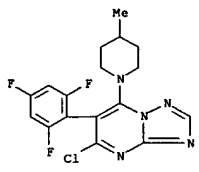
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:	DE 2003-10344148	A 20030922

AB Disclosed are synergistic fungicidal mixts. of 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and metconazole.
IT **849606-41-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide mixts.)
RN 849606-41-3 CAPLUS
CN Cyclopentanol, 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

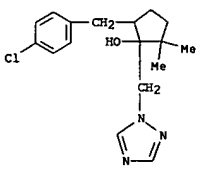
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 72 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 125116-23-6
CMF C17 H22 Cl N3 O



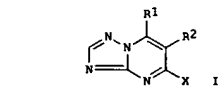
L5 ANSWER 73 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:300451 CAPLUS
DOCUMENT NUMBER: 142:373861
TITLE: Preparation of 6-[(substituted)phenyl]triazolopyrimidines as tubulin polymerization promotors as anticancer agents for tumors that express multiple drug resistance (MDR) or are resistant because of MDR
INVENTOR(S): Zhang, Nan; Ayral-Kaloustian, Semiramis; Nguyen, Thai Hiep; Wu, Yanzhong; Tong, Wei
PATENT ASSIGNEE(S): Wyeth Holdings Corp., USA
SOURCE: PCT Int. Appl., 134 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

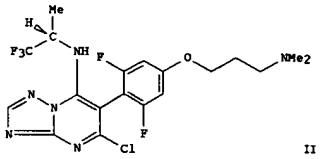
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005030775	A1	20050407	WO 2004-US30515	20040917
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005090508	A1	20050428	US 2004-950543	20040924
PRIORITY APPLN. INFO.:			US 2003-505544P	P 20030924
OTHER SOURCE(S):	MARPAT 142:373861			

GI

L5 ANSWER 73 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I



II

AB This invention relates to certain 6-[(substituted)phenyl]triazolopyrimidine compds. (shown as I; variables defined below; e.g. II) or pharmaceutically acceptable salts thereof, and compns. containing said compds. or pharmaceutically acceptable salts thereof, wherein said compds. are anti-cancer agents useful for the treatment of cancer in mammals. This invention further relates to a method of treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal and further provides a method for the treatment or prevention of cancerous tumors that express multiple drug resistance (MDR) or are resistant because of MDR, in a mammal in need thereof which method comprises administering to said mammal an effective amount of said compds. or pharmaceutically acceptable salts thereof. The present invention relates to a method of treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal in need thereof by promotion of microtubule polymerization which comprises administering to said mammal an effective amount of said compds. and pharmaceutically acceptable salts thereof. Strong evidence is presented that these compds. bind at the vinca/peptide site of tubulin and not at the colchicine or taxane sites. Methods of preparation are claimed and .apprx.20 example prepns. are included. For example, II which was prepared in 2 steps starting with reaction of 5,7-dichloro-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, ((1S)-2,2,2-trifluoro-1-methylethyl)amine hydrochloride and N,N-diisopropylethylamine to give 5-Chloro-6-(2,4,6-trifluorophenyl)-N-((1S)-2,2,2-trifluoro-1-methylethyl)-[1,2,4]triazolo[1,5-a]pyrimidin-7-amine, which was reacted with 3-dimethylamino-1-propanol/NaH. For I: R1 = R3R5CHNH and C6-C9 cycloalkyl (un)substituted with R8; R2 = Q(CH2)nY-, 2-L1- and 6-L2-substituted phenyl; n = 2-4 ; X = Cl or Br; Y = O, S, CH2 or NR4; Q = -NR6R7 and -OH; L1 and L2 = H, F, Cl, Br, or CF3; R3 = CF3 or C2F5; R4 and R5 = H or C1-3 alkyl; R6 and R7 = H or C1-C3 alkyl; or R6 and R7 when optionally taken together with the N atom to which each is attached form a 4 to 6 membered saturated heterocyclic ring with 1-2 N atoms and 0-1 O atoms or 0-1 S atoms, and (un)substituted with R8; R8 = C1-C3 alkyl.

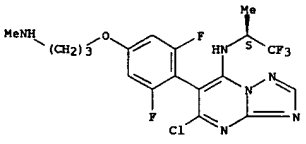
IT 849550-66-9P
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PRP (Properties); BIOL (Biological study); BIOL (Biological study); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(drug candidate, hydration, powder XRD; prepn. of 6-[(substituted)phenyl]triazolopyrimidines as tubulin polymn. promoters as anticancer agents for tumors expressing multiple drug resistance (MDR) or resistance because of MDR)

RN 849550-66-9 CAPLUS
CN Butanedioic acid, compd. with 5-chloro-6-[2,6-difluoro-4-(3-(methylamino)propoxy)phenyl]-N-[(1S)-2,2,2-trifluoro-1-methylethyl][1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

CRN 849550-05-6
CMF C18 H18 Cl F5 N6 O

Absolute stereochemistry.



CM 2

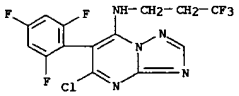
CRN 110-15-6
CMF C4 H6 O4

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 74 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:271320 CAPLUS
DOCUMENT NUMBER: 142:311365
TITLE: Nonaqueous emulsifiable concentrate formulation of azole fungicides
INVENTOR(S): Aven, Michael
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6872736	B1	20050329	US 2000-491708	20000126

PRIORITY APPLN. INFO.: US 2000-491708 20000126
OTHER SOURCE(S): MARPAT 142:311365
AB The invention relates to a nonaq., emulsifiable concentrate formulation of azole fungicides comprising ≤700 g/L aliphatic alc. alkoxylate, ≤100 g/L nonionic dispersant, 10-100 g/L anionic dispersant, 50-600 g/L polar aprotic organic solvent, 150-500 g/L nonpolar organic solvent and ≤5 g/L defoamer.
IT **473464-74-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(nonaq. emulsifiable concentrate formulation of azole fungicides)
RN 473464-74-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4,6-trifluorophenyl)-N-(3,3,3-trifluoropropyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 75 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:177801 CAPLUS
DOCUMENT NUMBER: 142:234971
TITLE: Synergistic fungicidal mixture comprising triazolopyrimidine derivative and epoxiconazole.
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathman, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; Tormo I Blasco, Jordi
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005018328	A1	20050303	WO 2004-EP7397	20040707

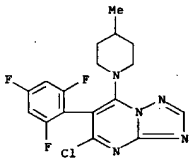
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10335180 A 20030730
AB A synergistic fungicidal mixture comprise 5-chloro-6-(2,4,6-trifluorophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidine and epoxiconazole. The mixts.a are especially active against Oomycetes.
IT **844693-37-4**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)
RN 844693-37-4 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with rel-1-[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

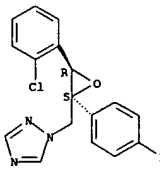
L5 ANSWER 75 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 133855-98-8
CMF C17 H13 Cl F N3 O

Relative stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 76 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:54989 CAPLUS
DOCUMENT NUMBER: 142:129057
TITLE: Synergistic fungicidal mixtures containing triazolopyrimidine derivative and kresoxim-methyl
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Haden, Egon; Hampel, Manfred
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005004609	A1	20050120	WO 2004-EP7079	20040630

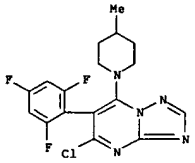
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10331117 A 20030709
DE 2003-10332460 A 20030716
DE 2004-102004016084A 20040330
AB Fungicidal mixts. for controlling rice pathogens contain 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-[1,2,4]Triazolo[1,5-a]pyrimidine and kresoxim-Me in synergistically effective amts. as active components.
IT **825648-99-5**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixts. containing triazolopyrimidine derivative and kresoxim-Me for controlling rice pathogens)
RN 825648-99-5 CAPLUS
CN Benzeneacetic acid, α-(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (αE)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

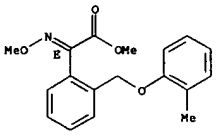
L5 ANSWER 76 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 143390-89-0
CMF C18 H19 N O4

Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 77 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:54988 CAPLUS
DOCUMENT NUMBER: 142:129056
TITLE: Synergistic fungicidal mixtures containing triazolopyrimidine derivative and fenpropimorph
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005004608	A1	20050120	WO 2004-EP7075	20040630

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10331452 A 20030710
DE 2003-10332432 A 20030716

AB Fungicidal mixts. for controlling rice pathogens contain 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-[1,2,4]-triazolo[1,5-a]pyrimidine and fenpropimorph in synergistically active amts.

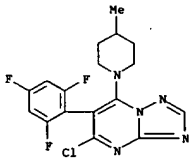
IT **825650-81-5**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixts. containing triazolopyrimidine derivative and fenpropimorph for controlling rice pathogens)

RN 825650-81-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with-rel-(2R,6S)-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

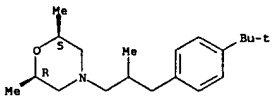
L5 ANSWER 77 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 67564-91-4
CMF C20 H33 N O

Relative stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 78 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:14105 CAPLUS
DOCUMENT NUMBER: 142:70285
TITLE: Fungicidal mixtures of triazolopyrimidine derivative and acrylic acid morpholide for combating rice pathogens
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005000025	A1	20050106	WO 2004-EP6649	20040619

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10329554 A 20030630
DE 2003-10332428 A 20030716
DE 2004-102004020212A 20040422

OTHER SOURCE(S): MARPAT 142:70285

AB Fungicidal mixts. for combating rice pathogens contain, as active components, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (I) and an acrylic acid morpholide (dimethomorph or flumorph) in a synergistically active amount The mixts., in weight ratios from 100:1 to 1:100, may contain a liquid or solid carrier. Thus, I + dimethomorph at 1 + 4 ppm synergistically controlled rice blast caused by Pyricularia oryzae.

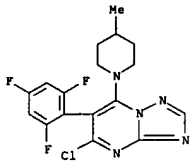
IT **815576-97-7**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide for control of rice pathogens)

RN 815576-97-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)-, mixt. with 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine (9CI) (CA INDEX NAME)

CM 1

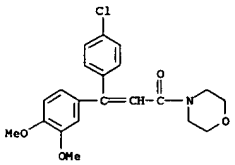
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 78 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



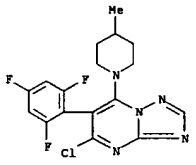
CM 2

CRN 110488-70-5
CMF C21 H22 Cl N O4



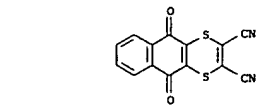
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 79 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 3347-22-6
CMF C14 H4 N2 O2 S2



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 79 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:14104 CAPLUS
DOCUMENT NUMBER: 142:70284
TITLE: Fungicide mixtures containing triazolopyrimidine derivative and dithianon
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Haden, Egon; Hampel, Manfred
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005000024	A1	20050106	WO 2004-EP6647	20040619

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2003-10328971 A 20030626
DE 2003-10332462 A 20030716

AB Fungicidal mixts. contain as active constituents (1) 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and (2) dithianon in a synergistically active quantity. The mixts. are useful for controlling pathogenic fungi of the class Oomycetes.

IT **811808-79-4**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(as synergistic fungicide)

RN 811808-79-4 CAPLUS
CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 80 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:1124520 CAPLUS
DOCUMENT NUMBER: 142:34034
TITLE: Synergistic fungicidal mixtures containing a triazolopyrimidine derivative and benomyl
INVENTOR(S): Tormo I. Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Haden, Egon; Hampel, Manfred
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

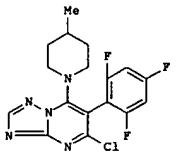
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004110152	A1	20041223	WO 2004-EP6161	20040608

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2528198	AA	20041223	CA 2004-2528198	20040608

PRIORITY APPLN. INFO.: DE 2003-10327865 A 20030618
DE 2003-10332431 A 20030716
WO 2004-EP6161 W 20040608

GI



I

AB A synergistic fungicidal mixts., contains a triazolopyrimidine derivative I and benomyl.

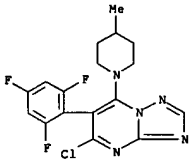
IT **807344-27-0**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 807344-27-0 CAPLUS
CN Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-

L5 ANSWER 80 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

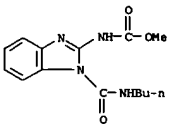
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

CRN 17804-35-2
CMF C14 H18 N4 O3

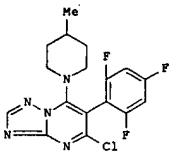


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

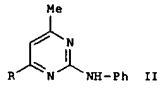
L5 ANSWER 81 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1124518 CAPLUS
DOCUMENT NUMBER: 142:34033
TITLE: Synergistic fungicidal mixtures comprising a triazolopyrimidine derivative
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004110150	A1	20041223	WO 2004-EP6163	20040608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2528196	AA	20041223	CA 2004-2528196	20040608
PRIORITY APPLN. INFO.:			DE 2003-10327866 A	20030618
			DE 2003-10332461 A	20030716
			DE 2004-102004000199A	20040113
			WO 2004-EP6163 W	20040608
OTHER SOURCE(S):	MARPAT 142:34033			

GI



I



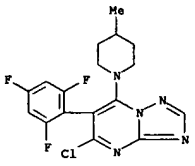
II

AB The invention relates to a synergistic fungicidal mixts., containing the triazolopyrimidine derivative I and a pyrimidine anilide II (R = Me,

L5 ANSWER 81 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
cyclopropyl or 1-propynyl).
IT 807344-61-2
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal composition)
RN 807344-61-2 CAPLUS
CN 2-Pyrimidinamine, 4,6-dimethyl-N-phenyl-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

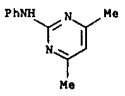
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

CRN 53112-28-0
CMF C12 H13 N3



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 82 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1059093 CAPLUS
DOCUMENT NUMBER: 142:18674
TITLE: Synergistic fungicidal mixtures for rice
INVENTOR(S): Tormo, I. Blasco Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Haden, Egon; Hampel, Manfred
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

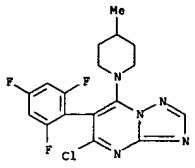
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004105490	A1	20041209	WO 2004-EP5323	20040518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2526206	AA	20041209	CA 2004-2526206	20040518
PRIORITY APPLN. INFO.:			DE 2003-10324697 A	20030528
			DE 2003-10332429 A	20030716
			DE 2004-102004016084A	20040330
			WO 2004-EP5323 W	20040518

AB Synergistic fungicidal mixts. for rice comprise azoxystrobin and 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5]pyrimidine.
IT 799790-30-0
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal mixts. for rice)
RN 799790-30-0 CAPLUS
CN Benzeneacetic acid, 2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-α-(methoxymethylene)-, methyl ester, (αE)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5

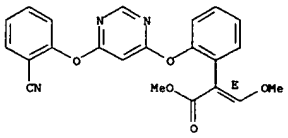
L5 ANSWER 82 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

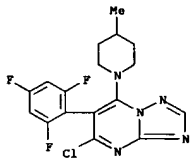
CRN 131860-33-8
CMF C22 H17 N3 O5

Double bond geometry as shown.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

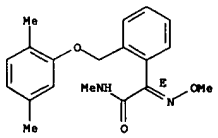
L5 ANSWER 83 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 149961-52-4
CMF C19 H22 N2 O3

Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 83 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:1033524 CAPLUS
DOCUMENT NUMBER: 142:2110
TITLE: Synergistic agrochemical fungicidal mixture
INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Haden, Egon; Hampel, Manfred
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004103075	A1	20041202	WO 2004-EP5250	20040515
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2526155	AA	20041202	CA 2004-2526155	20040515
PRIORITY APPLN. INFO.:			DE 2003-10323708 A	20030522
			DE 2003-10332430 A	20030716
			DE 2004-102004016084A	20040330
			WO 2004-EP5250 W	20040515

AB A mixture of dimoxystrobin with 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine is a synergistic fungicide.
IT **797026-97-2**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses) (synergistic agrochem. fungicide)
RN 797026-97-2 CAPLUS
CN Benzeneacetamide, 2-[(2,5-dimethylphenoxy)methyl]-α-(methoxyimino)-N-methyl-, (αE)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

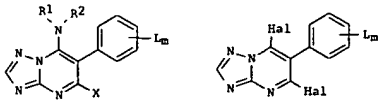
CRN 214706-53-3
CMF C17 H15 Cl F3 N5

L5 ANSWER 84 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:857602 CAPLUS
DOCUMENT NUMBER: 141:332222
TITLE: Methods for the production and use of 7-(alkynylamino)triazolopyrimidines and agents containing them useful for combating harmful fungi
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087706	A1	20041014	WO 2004-EP3346	20040330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2520718	AA	20041014	CA 2004-2520718	20040330
EP 1613633	A1	20060111	EP 2004-724256	20040330
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MX, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			DE 2003-10314930 A	20030402
			WO 2004-EP3346 W	20040330
OTHER SOURCE(S):			CASREACT 141:332222; MARPAT 141:332222	

GI



I II

AB 7-(Alkynylamino)triazolopyrimidines I [L = halogen, C1-6-alkyl, C1-6-halogenalkyl, C1-6-alkoxy, NH2, NHR, NR2, cyano, S(O)nA1 or C(O)A2; R = C1-8-alkyl, C1-8-alkylcarbonyl; A1 = hydrogen, hydroxy, C1-8-alkyl, C1-8-alkylamino, di(C1-8-alkyl)amino; n = 0, 1 or 2; A2 = C2-8-alkenyl,

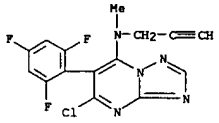
L5 ANSWER 84 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
C1-8-alkoxy, C1-6-halogenalkoxy or A1; m = 1, 2, 3, 4 or 5 (whereby at least one group L is present in an ortho-position to the bond with the triazolopyrimidine skeleton); X = halogen, cyano, C1-4-alkyl, C1-4-haloalkyl, C1-4-alkoxy; R1 = hydrogen, C1-4-alkyl; R2 = (un)substituted C3-10-alkynyl]. The invention also relates to methods for the prodn. of said compds., agents contg. said compds. and the use thereof to combat harmful phytopathogenic fungi. The procedure for the prepn. of I is characterized by: reaction of halotriazolopyrimidines II (Hal = halogen) with R1R2NH. Thus, triazolopyrimidine I [R1 = H, R2 = CH2C.tplbond.CH, X = Cl, L3 = F3-2,4,6] was prepd. from 5,7-Dichloro-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (II;) via amination with HC.tplbond.CCH2NH2 in CH2Cl2 contg. Et3N. The inhibitory activity of I were detd. [after 5 d I (R1 = H, R2 = CH2C.tplbond.CCH2Cl, X = Cl, L3 = F3-2,4,6; R1 = H, R2 = CMe2C.tplbond.CH, X = Cl, L3 = F3-2,4,6) had decreased the activity of Alternaria solani (Tomato dry spot disease) and Puccinia recondita (wheat brown rust) to 3%].

IT **773879-52-0P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study); BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and nucleophilic substitution reactions of; preparation of (alkynylamino)triazolopyrimidines for use in combating harmful phytopathogenic fungi)

RN 773879-52-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-methyl-N-2-propynyl-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

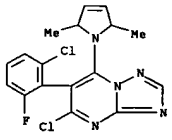
L5 ANSWER 85 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
alkyl, alkylcarbonyl; m = 1-5; X = halo, cyano, alkyl, haloalkyl, alkoxy; R1 = alkyl, haloalkyl; R2 = H, alkyl, haloalkyl; R3 = (substituted) alkenyl; R4 = H, alkyl; R3R4N = (substituted) 5- or 6-membered unsatd. ring which can be interrupted by O, N, S], were prepd. Thus, 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine, (1-methyl-2-propen-1-yl)amine, and Et3N were stirred 16 h in CH2Cl2 at 20-25° to give 5-chloro-6-(2,4,6-trifluorophenyl)-7-(1-methyl-2-propen-1-yl)amino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave 100% control of Alternaria solani on tomato plants.

IT **388060-24-0P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of alkenylaminotriazolopyrimidines as agrochem. fungicides)

RN 388060-24-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(2,5-dihydro-2,5-dimethyl-1H-pyrrol-1-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 85 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:857601 CAPLUS
DOCUMENT NUMBER: 141:332213
TITLE: Preparation of alkenylaminotriazolopyrimidines as agrochemical fungicides.
INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087705	A1	20041014	WO 2004-EP3102	20040324
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2520579	AA	20041014	CA 2004-2520579	20040324
EP 1611135	A1	20060104	EP 2004-722827	20040324
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			DE 2003-10314760	A 20030331
			WO 2004-EP3102	W 20040324
OTHER SOURCE(S):	MARPAT 141:332213			

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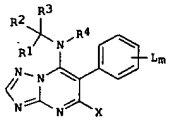


I

AB Title compds. [I; L = halo, alkyl, haloalkyl, alkoxy, amino, NHR, NR2; R =

L5 ANSWER 86 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:633396 CAPLUS
DOCUMENT NUMBER: 141:135684
TITLE: Synergistic fungicidal mixtures based on a triazolopyrimidine derivative and azoles
INVENTOR(S): Tormo I. Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064519	A1	20040805	WO 2003-EP12767	20031114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2505588	AA	20040805	CA 2003-2505588	20031114
EP 1562428	A1	20050817	EP 2003-814404	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016273	A	20051011	BR 2003-16273	20031114
NO 2005001926	A	20050614	NO 2005-1926	20050420
PRIORITY APPLN. INFO.:			DE 2002-10253584	A 20021115
			WO 2003-EP12767	W 20031114

AB Syneristic fungicidal mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and an azole derivative selected from bromuconazole, difenoconazole, diniconazole, fenbuconazole, fluquinconazole, flusilazole, hexaconazole, prochloraz, tetraconazole, triflumizole, flutriafol, myclobutanil, penconazole, simeconazole, ipconazole, triticonazole and prothioconazole.

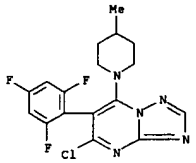
IT **214706-53-3D**, mixts. with azoles

RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

RN 214706-53-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 86 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

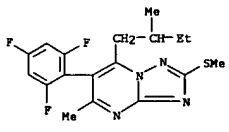
L5 ANSWER 87 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

alkynyl, cycloalkyl, cycloalkenyl, Ph, naphthyl, heterocyclic; R2 = (un)substituted alkyl, alkenyl, alkynyl, CN, Cl, OMe; R3 = halogen, CN, alkyl, haloalkyl, OH, alkoxy, alkenyl, alkenyloxy, haloalkoxy, haloalkenyloxy, cycloalkyl, (un)substituted NH2, SH, s(O)H, SO2H] were prepd. for use as agricultural fungicides. Thus, 2,4,6-F3C6H2CH(CO2Me)2 was treated with 3-amino-5-methylthio-1,2,4-triazole to give I [R1 = R2 = OH, R3 = SMe, L = F3] which was treated with BrCH2CHMeEt, followed by NaCH(CO2Me)2 and decarboxylation to give I [R1 = CH2CHMeEt, R2 = Me, R3 = SMe, L = F3] which, at 250 ppm gave >60% inhibition of Botrytis cinerea growth on pepper plants.

IT **720698-40-8P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study); BIOL (Biological study);** **BIOL (Biological study);** PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of triazolopyrimidines as agricultural fungicides)

RN 720698-40-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-7-(2-methylbutyl)-2-(methylthio)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

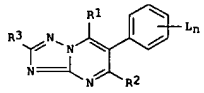


L5 ANSWER 87 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:566612 CAPLUS
DOCUMENT NUMBER: 141:106494
TITLE: Preparation of triazolopyrimidines as agricultural fungicides
INVENTOR(S): Mueller, Bernd; Tormo i Blasco, Jordi; Grote, Thomas; Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058765	A1	20040715	WO 2003-EP14374	20031217
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1590350	A1	20051102	EP 2003-813894	20031217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017448	A	20051116	BR 2003-17448	20031217
PRIORITY APPLN. INFO.:			DE 2002-10261189 A	20021220
			WO 2003-EP14374 W	20031217

OTHER SOURCE(S): MARPAT 141:106494
GI



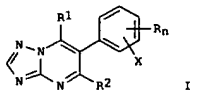
AB Triazolopyrimidines I [L = halogen, CN, OH, OCN, (un)substituted alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, alkynyloxy, cycloalkyl, cycloalkenyl, cycloalkoxy, heterocyclic, CHO, CO2H, CONH2, CH:NOH, NH2, NHCONH2, SH, s(O)H, SO2H; n = 0-5; R1 = (un)substituted alkyl, alkenyl,

L5 ANSWER 88 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:534206 CAPLUS
DOCUMENT NUMBER: 141:71560
TITLE: Preparation of 1,2,4-triazolo[1,5-a]pyrimidines as agricultural fungicides
INVENTOR(S): Mueller, Bernd; Tormo i Blasco Jordi; Grote, Thomas; Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; Tormo I Blasco, Jordi
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004055018	A1	20040701	WO 2003-EP14283	20031216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1575958	A1	20050921	EP 2003-789291	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017385	A	20051116	BR 2003-17385	20031216
PRIORITY APPLN. INFO.:			DE 2002-10259268 A	20021217
			WO 2003-EP14283 W	20031216

OTHER SOURCE(S): MARPAT 141:71560
GI



AB Title compds. [I; R1 = (substituted) C1-10 alkyl, C2-10 alkenyl, C2-10 alkynyl, C3-10 cycloalkyl, C3-10 cycloalkenyl, Ph, naphthyl, 5-10 membered (saturated) (aromatic) heterocycle that is bonded to the triazolopyrimidine via carbon and contains 1-4 heteroatoms selected from O, N, or S; R2 = (substituted) C1-4 alkyl; R = halo, cyano, alkyl, alkenyl, alkynyl, haloalkyl, etc.; n = 1-4; X = SOmR3, NR3R4, or NR3(C:O)R4; m = 1-3; R3, R4

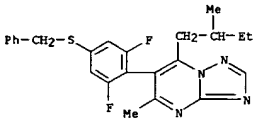
L5 ANSWER 88 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
= H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl], were prepd. Thus, 5-methyl-6-(2,6-difluoro-4-benzylthiophenyl)-7-(2-methylbutyl)-1,2,4-triazolo[1,5-a]pyrimidine (prepn. given) was stirred with 77% m-chloroperbenzoic acid in CH2Cl2 for 2 h at room temp. to give 77% 5-methyl-6-(2,6-difluoro-4-benzylsulfoxylphenyl)-7-(2-methylbutyl)-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave ≥70% control of Plasmopara viticola.

IT **712273-02-4P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of triazolopyrimidines as agricultural fungicides)

RN 712273-02-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-[2,6-difluoro-4-[(phenylmethyl)thio]phenyl]-5-methyl-7-(2-methylbutyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

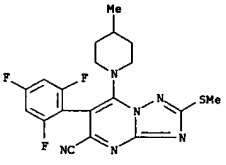
L5 ANSWER 89 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
or S(:O)pAl; A = H, OH, alkyl, alkenyl, alkoxy, etc.; A1 = H, (halo)alkyl; p = 0-2; m = 0-5; X = cyano, alkyl, haloalkyl, alkoxy, haloalkoxy; R1, R2 = H, alkyl, haloalkyl, cycloalkyl, halocycloalkyl, alkenyl, alkadienyl, haloalkenyl, cycloalkenyl, alkynyl, haloalkynyl, cycloalkynyl, Ph, naphthyl, 5-10 membered satd., partially unsatd. or arom. heterocycle contg. 1-4 heteroatoms selected from O, N or S; NR1R2 = 5-6 membered (O-, N-, and S-interrupted) (substituted) ring; R3 = cyano, OH, alkoxy, alkenyloxy, haloalkoxy, haloalkenyloxy, NR1R2, S(O)nR31; n = 0-2; R31 = H, OH, alkyl, alkenyl, C(:O)A], were prepd. Thus, a mixt. of CH2(CO2Et)2, NaH as 50% dispersion in mineral oil, in MeCN was stirred for ca. 2 h at 20°-25° followed by stirring with 4.71 mmol 5-chloro-6-(2,4,6-trifluorophenyl)-7-(4-methylpiperidin-1-yl)-2-thiomethyl-1,2,4-triazolo[1,5-a]pyrimidine to give 0.73 g 5-methyl-6-(2,4,6-trifluorophenyl)-7-(4-methylpiperidin-1-yl)-2-thiomethyl-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave 80% control of Alternaria solani on tomato.

IT **696607-01-9P**

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines as agricultural fungicides)

RN 696607-01-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(4-methyl-1-piperidinyl)-2-(methylthio)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 89 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:453220 CAPLUS

DOCUMENT NUMBER: 141:7134

TITLE: Preparation of 1,2,4-triazolo[1,5-a]pyrimidines as agricultural fungicides

INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

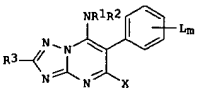
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004046150	A1	20040603	WO 2003-EP12774	20031114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10257394	A1	20040624	DE 2002-10257394	20021206
EP 1562950	A1	20050817	EP 2003-795822	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016017	A	20050920	BR 2003-16017	20031114

PRIORITY APPLN. INFO.: DE 2002-10253592 A 20021115
DE 2002-10257394 A 20021206
WO 2003-EP12774 W 20031114

OTHER SOURCE(S): MARPAT 141:7134

GI



I

AB Title compds. [I; L = halo, cyano, NO2, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, alkoxy, alkenyloxy, alkynyloxy, haloalkoxy, C(:O)A

L5 ANSWER 90 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:453219 CAPLUS

DOCUMENT NUMBER: 141:7133

TITLE: Preparation of 2-mercapto-1,2,4-triazolo[1,5-a]pyrimidines as agricultural fungicides

INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004046149	A1	20040603	WO 2003-EP12773	20031114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
BR 2003016033	A	20050913	BR 2003-16033	20031114
EP 1575957	A1	20050921	EP 2003-782202	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005272748	A1	20051208	US 2005-531980	20050420

PRIORITY APPLN. INFO.: DE 2002-10253593 A 20021115
DE 2003-10304076 A 20030131
WO 2003-EP12773 A 20031114

OTHER SOURCE(S): MARPAT 141:7133

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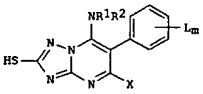


I

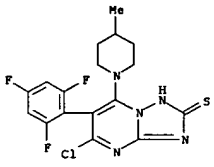
AB Title compds. [I; L = halo, cyano, NO2, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, alkoxy, alkenyloxy, alkynyloxy, haloalkoxy, or C(:O)A; A = H, OH, alkyl, alkenyl, alkoxy, haloalkoxy, alkylamino, dialkylamino; m = 0-5; X = halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy; R1, R2 = H, alkyl, haloalkyl, cycloalkyl, halocycloalkyl, alkenyl, alkadienyl, haloalkenyl, cycloalkenyl, alkynyl, haloalkynyl,

L5 ANSWER 90 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
cycloalkynyl, Ph, naphthyl, 5-10 membered satd., partially unsatd. or arom. heterocycle contg. 1-4 heteroatoms selected from O, N or S; or NR1R2 = 5-6 membered (O-, N-, and S-interrupted) (substituted) ring], were prepd. Thus, 4.7 mmol 5-chloro-7-(4-methylpiperidin-1-yl)-2-thiomethyl-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine and MCPA in CHCl3 were stirred for 1 h at 0° to give 1.7 g 5-chloro-7-(4-methylpiperidin-1-yl)-2-mercapto-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave 56% control of Botrytis cinerea on pepper leaves.

IT **697265-98-8P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of mercaptotriazolopyrimidines as agricultural fungicides)

RN 697265-98-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-2(1H)-thione, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 91 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:451738 CAPLUS
DOCUMENT NUMBER: 140:419311
TITLE: Synergistic fungicidal mixtures comprising an imidazole derivative and a triazolopyrimidine
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045290	A1	20040603	WO 2003-EP12770	20031114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2505483	AA	20040603	CA 2003-2505483	20031114
BR 2003016289	A	20051011	BR 2003-16289	20031114
EP 1585390	A1	20051019	EP 2003-779933	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
NO 2005001927	A	20050614	NO 2005-1927	20050420

PRIORITY APPLN. INFO.: DE 2002-10253590 A 20021115
WO 2003-EP12770 W 20031114

OTHER SOURCE(S): MARPAT 140:419311
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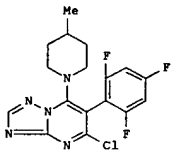

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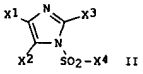


II

L5 ANSWER 91 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
AB Disclosed are fungicidal mixts. containing a synergistically effective amount of
a triazolopyrimidine I and an imidazole derivative II, wherein X1 and X2 represent halogen and Ph which can be substituted by halogen or alkyl, or X1 and X2 form a difluoromethylendioxyphenyl group along with the bridging C:C double bond, X3 represents cyano or halogen, and X4 represents dialkylamino or isoxazol-4-yl that can carry two alkyl radicals.

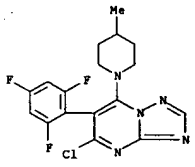
IT **693244-49-4**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

RN 693244-49-4 CAPLUS

CN 1H-Imidazole-1-sulfonamide, 4-chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

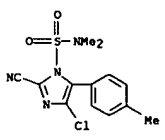
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

CRN 120116-88-3
CMF C13 H13 Cl N4 O2 S



L5 ANSWER 92 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:451737 CAPLUS
DOCUMENT NUMBER: 140:419310
TITLE: Synergistic fungicidal mixtures containing a triazolopyrimidine derivative and a carbamate
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045289	A1	20040603	WO 2003-EP12768	20031114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2505481	AA	20040603	CA 2003-2505481	20031114
EP 1562427	A1	20050817	EP 2003-789043	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016237	A	20051011	BR 2003-16237	20031114
NO 2005001924	A	20050614	NO 2005-1924	20050420
US 2005288309	A1	20051229	US 2005-532756	20050427

PRIORITY APPLN. INFO.: DE 2002-10253583 A 20021115
WO 2003-EP12768 W 20031114

OTHER SOURCE(S): MARPAT 140:419310
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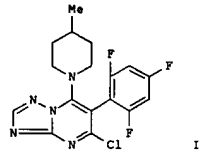
L5 ANSWER 92 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



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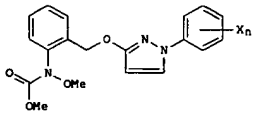


II

AB The invention relates to synergistic fungicidal mixts. containing the triazolopyrimidine derivative I and a carbamate II, wherein n represents 1 or
2, and X represents halogen, alkyl and haloalkyl.

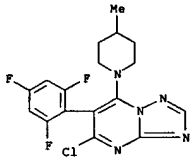
IT **693244-60-9**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

RN 693244-60-9 CAPLUS

CN Carbamic acid, [2-[[[1-(4-fluorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

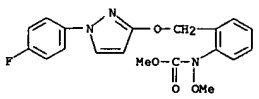
CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 92 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 2

CRN 175013-33-9
CMF C19 H18 F N3 O4



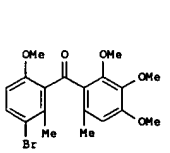
L5 ANSWER 93 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:451736 CAPLUS
DOCUMENT NUMBER: 140:419309
TITLE: Synergistic fungicidal mixtures for rice containing metrafenone and a triazolopyrimidine derivative
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

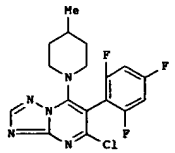
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045288	A2	20040603	WO 2003-EP12769	20031114
WO 2004045288	A3	20040729		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2002-10253586 A 20021115
GI



I



II

AB Disclosed are fungicidal mixts. for controlling rice pathogens, containing synergistically effective amts. of metrafenone(I), and triazolopyrimidine derivative II.

IT **692736-85-9**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for rice)

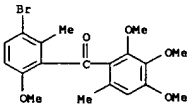
RN 692736-85-9 CAPLUS

CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

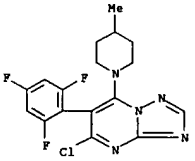
L5 ANSWER 93 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 220899-03-6
CMF C19 H21 Br O5



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 94 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:451732 CAPLUS
DOCUMENT NUMBER: 140:419308
TITLE: Synergistic fungicidal mixtures for controlling rice pathogens
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 13 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045283	A2	20040603	WO 2003-EP12776	20031114
WO 2004045283	A3	20040729		
WO 2004045283	C1	20050602		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2505498	AA	20040603	CA 2003-2505498	20031114
EP 1562426	A2	20050817	EP 2003-767549	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016293	A	20051011	BR 2003-16293	20031114
PRIORITY APPLN. INFO.:			DE 2002-10253587 A	20021115
			WO 2003-EP12776 W	20031114

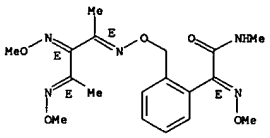
AB The invention relates to synergistic fungicidal mixts. for controlling rice pathogens, such as Pyricularia oryzae, containing orysastrobin and 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine.
IT **692734-83-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture for controlling rice pathogens)
RN 692734-83-1 CAPLUS
CN Benzeneacetamide, α-(methoxyimino)-2-[(3E,5E,6E)-5-(methoxyimino)-4,6-dimethyl-2,8-dioxa-3,7-diazanona-3,6-dien-1-yl]-N-methyl-, (αE)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 248593-16-0
CMF C18 H25 N5 O5

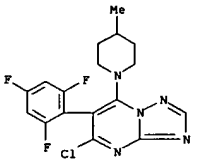
Double bond geometry as shown.

L5 ANSWER 94 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



L5 ANSWER 95 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:451731 CAPLUS
DOCUMENT NUMBER: 140:419307
TITLE: Synergistic fungicidal mixtures containing a triazolopyrimidine and an amide
INVENTOR(S): Tormo I Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004045282	A2	20040603	WO 2003-EP12772	20031114
WO 2004045282	A3	20040729		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2505495	AA	20040603	CA 2003-2505495	20031114
EP 1567011	A2	20050831	EP 2003-782201	20031114
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016254	A	20051004	BR 2003-16254	20031114
NO 2005001925	A	20050614	NO 2005-1925	20050420
PRIORITY APPLN. INFO.:			DE 2002-10253588 A	20021115
			WO 2003-EP12772 W	20031114

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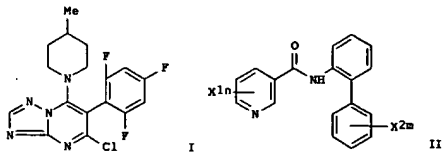
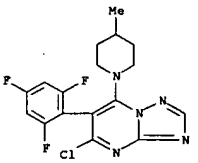


AB Disclosed are fungicidal mixts. containing a synergistically effective amount of
a triazolopyrimidine I and an amide II, wherein X1 and X2 represent halogen, nitro, cyano, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, haloalkynyl, alkoxy, haloalkoxy, haloalkylthio, alkylsulfinyl, or alkylsulfonyl, n represents 1, 2, 3, or 4, and m represents 1, 2, 3, 4, or 5.
IT **692740-07-1**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)
RN 692740-07-1 CAPLUS
CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

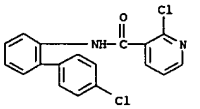
CM 1

CRN 214706-53-3
CMF C17 H15 Cl F3 N5



CM 2

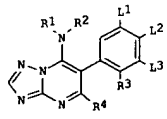
CRN 188425-85-6
CMF C18 H12 Cl2 N2 O



L5 ANSWER 96 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:412947 CAPLUS
DOCUMENT NUMBER: 140:423695
TITLE: Preparation of halogen substituted phenyltriazolopyrimidines for the control of combating phytopathogenic fungi
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard; et al.
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004041824	A2	20040521	WO 2003-EP12276	20031104
WO 2004041824	A3	20040729		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2504827	AA	20040521	CA 2003-2504827	20031104
EP 1562948	A2	20050817	EP 2003-772300	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016014	A	20050920	BR 2003-16014	20031104
PRIORITY APPLN. INFO.:			EP 2002-24808 A	20021107
			WO 2003-EP12276 W	20031104

OTHER SOURCE(S): MARPAT 140:423695
GI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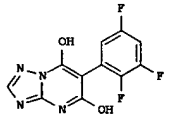
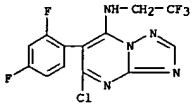

II

L5 ANSWER 96 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

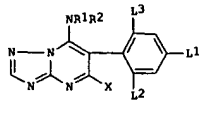
AB Halogen substituted phenyltriazolopyrimidines, I, (R1 = alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, haloalkenyl, cycloalkyl, Ph, naphthyl, or a 5- or 6-membered saturated, unsatd., or aromatic heterocycle, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, R1 and R2 radicals may be substituted as defined in the description, R2 = hydrogen, or a group mentioned for R1; or R1 and R2 together with the adjacent nitrogen atom represent a 5- or 6-membered heterocycle, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, which ring may be substituted as defined in the description; R3 = halogen; L1, L3 independently = H, halogen, or alkyl; L2 = hydrogen, halogen, haloalkyl, or NH2, or substituted amine; R4 = halogen, cyano, alkyl, alkoxy, haloalkoxy or alkenyloxy) were prepared as fungicides for combating phytopathogenic fungi. Thus Et 2-(2,3,5-trifluorophenyl)acetate was added to diethylcarbonate and sodium hydride in toluene to give di-Et (2,3,5-trifluorophenyl)-malonate which was treated with 3-amino-1,2,4-triazole to give II. II was reacted with phosphorus oxychloride to give the dichloro compound which when treated with isopropylamine, triethylamine, and dichloromethane to give I (R1 = CMe2, R2 = H, R3 = F, L1 = L3 = F, L2 = H) which showed activity against Alternaria solani, gray mold (Botrytis cinerea), grape downy mildew (Plasmopara viticola), Pyricularia oryzae, and Pyrenophora teres.
IT **214634-47-6P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of halogen substituted phenyltriazolopyrimidines as fungicides
for combating phytopathogenic fungi)
RN 214634-47-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,4-difluorophenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 97 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:892778 CAPLUS
DOCUMENT NUMBER: 139:381502
TITLE: Preparation of triazolopyrimidines as agricultural fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003093271	A1	20031113	WO 2003-EP4498	20030430
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2482809	AA	20031113	CA 2003-2482809	20030430
AU 2003232227	A1	20031117	AU 2003-232227	20030430
EP 1504009	A1	20050209	EP 2003-747437	20030430
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003009637	A	20050308	BR 2003-9637	20030430
JP 2005530756	T2	20051013	JP 2004-501410	20030430
US 2005256138	A1	20051117	US 2004-513030	20041101
PRIORITY APPLN. INFO.:			DE 2002-10219992 A	20020503
			WO 2003-EP4498 W	20030430

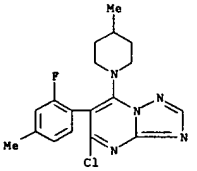
OTHER SOURCE(S): MARPAT 139:381502
GI


I

AB Title compds. [I; L1 = alkyl; L2 = halo; L3 = H, halo; X = halo, cyano, alkyl, alkoxy, haloalkoxy; R1, R2 = H, (substituted) alkyl, haloalkyl, cycloalkyl, alkenyl, alkadienyl, alkynyl, cycloalkynyl, Ph, naphthyl, 5-10

L5 ANSWER 97 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

membered (satd.) (arom.) heterocyclyl; or NR1R2 = 5-6 membered (substituted) heterocyclyl], were prepd. Thus, a mixt. of 14 g 3-amino-1,2,4-triazole, 0.17 mol di-Et (2-fluoro-4-methylphenyl)malonate (prepn. given), and Bu3N was heated at 180° for 6 h followed by stirring with a soln. of NaOH in H2O for 30 min at 70° to give 39 g 5,7-dihydroxy-6-(2-fluoro-4-methylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine. 30 G of the latter was refluxed with POCl3 for 8 h to give 26 g 5,7-dichloro-6-(2-fluoro-4-methylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine. 1.5 Mmol of the latter was treated with a soln. of Me2CHNH2, Et3N in CH2Cl2 followed by stirring for 16 h at 25° to give 420 mg 5-chloro-6-(2-fluoro-4-methylphenyl)-7-isopropylamino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave 93-100% control of Pyrenophora teres on barley.
IT **623562-80-1P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of triazolopyrimidines as agricultural fungicides)
RN 623562-80-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-fluoro-4-methylphenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

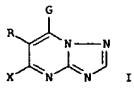


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 98 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:875289 CAPLUS
DOCUMENT NUMBER: 139:350750
TITLE: Preparation of 1,2,4-triazolo[1,5-a]pyrimidines as agricultural microbicides
INVENTOR(S): Gebauer, Olaf; Greul, Nico Joerg; Heinemann, Ulrich; Maurer, Fritz; Krueger, Bernd-Wieland; Elbe, Hans-Ludwig; Gayer, Herbert; Dunkel, Ralf; Voerste, Arnd; Hillebrand, Stefan; Boie, Christiane; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Kuck, Karl-Heinz
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany; et al.
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

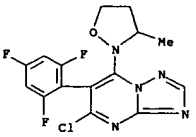
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003091254	A1	20031106	WO 2003-EP3833	20030414
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10218592	A1	20031106	DE 2002-10218592	20020426
AU 2003229657	A1	20031110	AU 2003-229657	20030414
EP 1501832	A1	20050202	EP 2003-722463	20030414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003009568	A	20050215	BR 2003-9568	20030414
JP 2005536460	T2	20051202	JP 2003-587812	20030414
US 2005234076	A1	20051020	US 2005-511821	20050511

PRIORITY APPLN. INFO.: DE 2002-10218592 A 20020426
WO 2003-EP3833 W 20030414
OTHER SOURCE(S): MARPAT 139:350750
GI



AB Title compds. [I; G = (substituted) (polycyclic) (saturated) (aromatic) heterocyclyl which is bonded by N atom; R = (substituted) aryl; X = halo],

L5 ANSWER 98 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
were prepd. Thus, 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine, 3-methylisoxazolidine hydrochloride (prepn. given), and K2CO3 in MeCN were stirred for 18 h at room temp. under Ar-atm. to give 49% 5-chloro-6-(2,4,6-trifluorophenyl)-7-(3-methyl-2-isoxazolidinyl)-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 100 ppm gave 100% control of Venturia inaequalis on apple.
IT 619336-11-7P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines as agricultural microbicides)
RN 619336-11-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(3-methyl-2-isoxazolidinyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

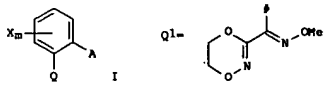


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 99 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:818207 CAPLUS
DOCUMENT NUMBER: 139:287651
TITLE: Method for increasing the resistance of plants to the phytotoxicity of agrochemicals
INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Stammler, Gerd; Schelberger, Klaus; Spadafora, James; Zagar, Cyrill; Witschel, Matthias; Watanabe, Akihide; Motoyoshi, Masatoshi; Kojima, Kenichi
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003084331	A1	20031016	WO 2003-EP3571	20030407
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003226787	A1	20031020	AU 2003-226787	20030407
EP 1496745	A1	20050119	EP 2003-745692	20030407
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005164882	A1	20050728	US 2003-509635	20030407
JP 2005527569	T2	20050915	JP 2003-581588	20030407

PRIORITY APPLN. INFO.: DE 2002-10215815 A 20020410
WO 2003-EP3571 W 20030407
OTHER SOURCE(S): MARPAT 139:287651
GI



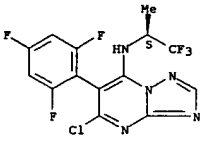
AB The invention relates to a method for increasing the resistance of plants to the phytotoxicity of agrochems., the method being characterized in that the plants, the ground, or the seeds are treated with I, which is absorbed by the plants or seeds. In I, X represents halogen, alkyl or trifluoromethyl; m represents 0 or 1; Q represents C(:CHCH3)COOCH3, OC(:CH-OCH3)COOCH3, C(:NOCH3)CONHCH3, C(:NOCH3)COOCH3, N(OCH3)COOCH3 or Q1, wherein # characterizes the bond to the Ph ring; A represents OB, CH2OB, OCH2B, CH:CHB, C.tplbond.CB, CH2ON:C(R1)B or CH2ON:C(R1)C(R2):NOR3,

L5 ANSWER 99 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
wherein B represents Ph, naphthyl, 5-membered or 6-membered hetaryl or 5-membered or 6-membered heterocyclyl, the ring systems being unsubstituted or substituted, R1 represents hydrogen, cyano, alkyl, halogenalkyl, cycloalkyl or alkoxy; R2 represents Ph, phenylcarbonyl, phenylsulfonyl, 5-membered or 6-membered hetaryl, 5-membered or 6-membered hetarylcarbonyl or 5-membered or 6-membered hetarylsulfonyl, the ring systems being unsubstituted or substituted, R3 represents hydrogen, (un)substituted alkyl, cycloalkyl, alkenyl or alkynyl. I act as herbicide safeners.
IT 609344-14-1
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicidal composition)
RN 609344-14-1 CAPLUS
CN Benzeneacetamide, α-(methoxyimino)-2-[5-(methoxyimino)-4,6-dimethyl-2,8-dioxa-3,7-diazanona-3,6-dien-1-yl]-N-methyl-, mixt. with 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

CM 1

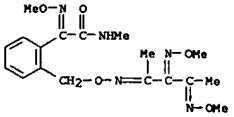
CRN 249648-16-6
CMF C14 H8 Cl F6 N5

Absolute stereochemistry.



CM 2

CRN 189892-69-1
CMF C18 H25 N5 O5



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

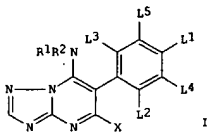
L5 ANSWER 100 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:777798 CAPLUS
DOCUMENT NUMBER: 139:276917
TITLE: Preparation of (amino)(phenyl)triazolopyrimidines as agricultural fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard; Schoefl, Ulrich
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080615	A1	20031002	WO 2003-EP2847	20030319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2479766	AA	20031002	CA 2003-2479766	20030319
AU 2003215664	A1	20031008	AU 2003-215664	20030319
EP 1490372	A1	20041229	EP 2003-744812	20030319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008529	A	20050201	BR 2003-8529	20030319
US 2005176736	A1	20050811	US 2003-508409	20030319
JP 2005527543	T2	20050915	JP 2003-578369	20030319

PRIORITY APPLN. INFO.: DE 2002-10212739 A 20020321
DE 2002-10215814 A 20020410
DE 2002-10258050 A 20021211
WO 2003-EP2847 W 20030319

OTHER SOURCE(S): MARPAT 139:276917
GI

L5 ANSWER 100 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

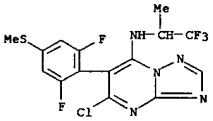


I

AB Title compds. [I; L1 = cyano, SOnA1, COA2; A1 = H, OH, alkyl, (di)alkylamino; A2 = H, OH, alkyl, (di)alkylamino, C1-8 alkoxy, C1-6 haloalkoxy; n = 0-2; L2, L3 = H, halo; L4, L5 = H, halo, alkyl; X = halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy; R1 = (substituted) alkyl, haloalkyl, cycloalkyl, halocycloalkyl, alkenyl, alkadienyl, haloalkenyl, cycloalkenyl, alkynyl, haloalkynyl, cycloalkynyl, Ph, naphthyl, 5-10 membered (saturated) aromatic heterocyclyl; R2 = H, R1; or NR1R2 = 5-6 membered heterocyclyl], were prepared Thus, 6 mmol 5,7-dichloro-6-(2,6-difluoro-4-thiomethylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine (preparation given) was stirred with a solution of 2-amino-1,1,1-trifluoropropane and Et3N in CH2Cl2 for 16 h at 20°-25° to give 1.2 g 5-chloro-6-(2,6-difluoro-4-thiomethylphenyl)-7-(1,1,1-trifluoroprop-2-yl)amino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 200 ppm gave 93-100% control of Alternaria solani on tomato.

IT **606922-41-2P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of (amino)(phenyl)triazolopyrimidines as agricultural fungicides)

RN 606922-41-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-[2,6-difluoro-4-(methylthio)phenyl]-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



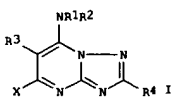
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 101 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:777797 CAPLUS
DOCUMENT NUMBER: 139:292263
TITLE: Preparation of (amino)(aryl)triazolopyrimidines as microbicides
INVENTOR(S): Boie, Christiane; Dunkel, Ralf; Elbe, Hans-Ludwig; Gayer, Herbert; Gebauer, Olaf; Krueger, Bernd-Wieland; Heinemann, Ulrich; Voerste, Arnd; Guth, Oliver; Ebbert, Ronald; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany; et al.
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080614	A2	20031002	WO 2003-EP2413	20030310
WO 2003080614	A3	20040108		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10212886	A1	20031002	DE 2002-10212886	20020322
AU 2003212322	A1	20031008	AU 2003-212322	20030310
EP 1490370	A2	20041229	EP 2003-708201	20030310
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005528364	T2	20050922	JP 2003-578368	20030310
US 2005222173	A1	20051006	US 2005-508402	20050322

PRIORITY APPLN. INFO.: DE 2002-10212886 A 20020322
WO 2003-EP2413 W 20030310

OTHER SOURCE(S): MARPAT 139:292263
GI



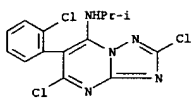
I

AB Title compds. [I; R1 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, alkoxy, alkenyloxy, alkynyloxy, cycloalkyloxy, (di)alkylamino, alkenylamino, alkynylamino, cycloalkylamino, N-cycloalkyl-N-alkylamino, alkylidenamino, heterocyclyl; R2 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; NR1R2 = (substituted) heterocyclyl; R3 = (substituted) aryl; R4 = halo, cyano, (substituted) alkoxy or

L5 ANSWER 101 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
dialkylamino; X = halo], were prepd. Thus, 2,5,7-trichloro-6-(2-chlorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine (prepn. given) in CH2Cl2 was treated with isopropylamine and Et3N followed by stirring for 2 h at 60° to give 18% N-[2,5-dichloro-6-(2-chlorophenyl)-1,2,4-triazolo[1,5-a]pyrimidin-7-yl]-N-isopropylamine. Several I at 100-199 ppm gave 83-100% control of Podosphaera leucotricha on apple.

IT **608088-31-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of (amino)(aryl)triazolopyrimidines as microbicides)

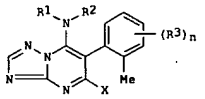
RN 608088-31-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 2,5-dichloro-6-(2-chlorophenyl)-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 102 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:76783 CAPLUS
DOCUMENT NUMBER: 138:137323
TITLE: Substituted 6-(2-tolyl)-triazolo[1,5-a]pyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Rack, Michael; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003008417	A1	20030130	WO 2002-EP7578	20020708
WO 2003008417	C2	20031030		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2453639	AA	20030130	CA 2002-2453639	20020708
EP 1412359	A1	20040428	EP 2002-787094	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002011180	A	20040810	BR 2002-11180	20020708
CN 1533393	A	20040929	CN 2002-814398	20020708
JP 2005504744	T2	20050217	JP 2003-513976	20020708
NZ 531065	A	20050429	NZ 2002-531065	20020708
US 2004162286	A1	20040819	US 2004-483600	20040112
ZA 2004001256	A	20050310	ZA 2004-1256	20040217
PRIORITY APPLN. INFO.:			EP 2001-117402 A	20010718
			WO 2002-EP7578 W	20020708

OTHER SOURCE(S): MARPAT 138:137323
GI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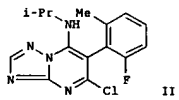
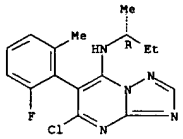

II

L5 ANSWER 102 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. I [R1-2 = H, alk(en/yn)yl, alkadienyl, etc.; R3 = halo, CN, alkyl, alkoxy, haloalkyl, etc.; n = 1-4; X = halo, CN, alkyl, alkoxy, etc.] are prepared For instance, 3-amino-1,2,4-triazole and di-Et (2-fluoro-6-methylphenyl)malonate (preparation given) are reacted (n-Bu3N, 180°, 6 h) and the intermediate treated with NaOH to give 5,7-dihydroxy-6-(2-fluoro-6-methylphenyl)-[1,2,4]triazolo[1,5-a]pyrimidine. This is converted to the dichloro derivative (POCl3, reflux, 8 h) and reacted with i-PrNH2 (Et3N, CH2Cl2) to yield II. Several example compds. at 63 ppm gave 97% control of Altenaria solani on tomato. I are useful for combating phytopathogenic fungi.
IT **424824-15-7P**, (R)-5-Chloro-6-(6-fluoro-2-methylphenyl)-7-[sec-butylamino]-[1,2,4]triazolo[1,5-a]pyrimidine
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(substituted 6-(2-tolyl)-triazolopyrimidines as fungicides)
RN 424824-15-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-fluoro-6-methylphenyl)-N-[(1R)-1-methylpropyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 103 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:76782 CAPLUS
DOCUMENT NUMBER: 138:137322
TITLE: Preparation of 6-(2-methoxyphenyl)triazolo[1,5-a]pyrimidines as agrochemical fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Rack, Michael; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003008416	A1	20030130	WO 2002-EP7577	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1412356	A1	20040428	EP 2002-748847	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005504743	T2	20050217	JP 2003-513975	20020708
US 2004167136	A1	20040826	US 2004-483599	20040112
PRIORITY APPLN. INFO.:			EP 2001-117406 A	20010718
			WO 2002-EP7577 W	20020708

OTHER SOURCE(S): MARPAT 138:137322
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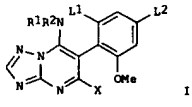
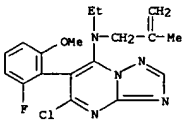

I

AB Title compds. [I; R1, R2 = H, (substituted) alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, haloalkenyl, cycloalkyl, Ph, naphthyl, 5-6 membered (aromatic) heterocyclyl containing 1-4 N atoms or 1-3 N atoms and 1 S or O atom; R1R2N = (substituted) 5- or 6-membered heterocyclic ring containing 1-4 N

L5 ANSWER 103 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

atoms or 1-3 N atoms and 1 S or O atom; L1, L2 = H, halo, provided that ≥1 of L1, L2 = halo; X = halo, cyano, alkyl, alkoxy, haloalkoxy, alkenyloxy], were prepd. Thus, 1,1,1-trifluoroprop-2-ylamine and 5,7-dichloro-6-(4,6-difluoro-2-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine (prepn. given) were stirred 16 h to give 5-chloro-6-(4,6-difluoro-2-methoxyphenyl)-7-(1,1,1-trifluoroprop-2-yl)amino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 50 ppm on beet seedlings reduced Cercospora beticola infection to ≤7%, vs 90% for untreated controls.
IT **491851-97-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of methoxyphenyltriazolopyrimidines as fungicides)
RN 491851-97-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-ethyl-6-(2-fluoro-6-methoxyphenyl)-N-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 104 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:76781 CAPLUS
DOCUMENT NUMBER: 138:137321
TITLE: Preparation of 6-(2,6-difluorophenyl)-triazolo[1,5-a]pyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003008415	A1	20030130	WO 2002-EP7575	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2453638	AA	20030130	CA 2002-2453638	20020708
EP 1412358	A1	20040428	EP 2002-751120	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1533394	A	20040929	CN 2002-814411	20020708
BR 2002011179	A	20041019	BR 2002-11179	20020708
JP 2005500334	T2	20050106	JP 2003-513974	20020708
NZ 531066	A	20050429	NZ 2002-531066	20020708
US 2004162428	A1	20040819	US 2004-483597	20040112
ZA 2004001255	A	20050310	ZA 2004-1255	20040217
PRIORITY APPLN. INFO.:			EP 2001-117404 A	20010718
			WO 2002-EP7575 W	20020708

OTHER SOURCE(S): MARPAT 138:137321
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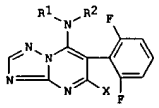
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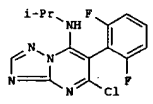
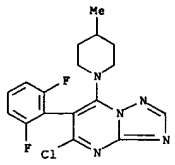

II

L5 ANSWER 104 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. I [R1-2 = H, alk(en/yn)yl, alkadienyl, etc.; X = halo, CN, alkyl, alkoxy, etc.] are prepared For instance, 3-amino-1,2,4-triazole and di-Et (2,6-difluorophenyl)malonate are reacted (n-Bu3N, 180°, 6 h) and the intermediate treated with NaOH to give 5,7-dihydroxy-6-(2,6-difluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine. This is converted to the dichloro derivative (POCl3, reflux, 8 h) and reacted with i-PrNH2 (Et3N, CH2Cl2) to yield II. Several example compds. at 250 ppm gave 99% control of Altenaria solani on tomato. I are useful for combating phytopathogenic fungi.

IT **187233-26-7P**, 5-Chloro-6-(2,6-difluorophenyl)-7-(4-methylpiperidinyl)-[1,2,4]triazolo[1,5-a]pyrimidine
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of 6-(2,6-difluorophenyl)-triazolo[1,5-a]pyrimidines as fungicides)

RN 187233-26-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2,6-difluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 105 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:42243 CAPLUS
DOCUMENT NUMBER: 138:89824
TITLE: Preparation of triazolopyrimidines as agricultural fungicides
INVENTOR(S): Mueller, Bernd; Sauter, Hubert; Gewehr, Markus; Grammenos, Wassilios; Tormo i Blasco, Jordi; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Rack, Michael; Lorenz, Gisela; Strathmann, Siegfried; Ammermann, Eberhard; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003004465	A2	20030116	WO 2002-EP7340	20020703
WO 2003004465	A3	20030508		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2452625	AA	20030116	CA 2002-2452625	20020703
EP 1406903	A2	20040414	EP 2002-758297	20020703
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002010858	A	20040629	BR 2002-10858	20020703
NZ 530822	A	20040827	NZ 2002-530822	20020703
CN 1541218	A	20041027	CN 2002-815894	20020703
JP 2004533485	T2	20041104	JP 2003-510633	20020703
US 2005090665	A1	20050428	US 2003-482216	20020703
EP 1616870	A1	20060118	EP 2005-18654	20020703
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
ZA 2004000914	A	20050204	ZA 2004-914	20040204
PRIORITY APPLN. INFO.:			DE 2001-10132059 A	20010705
			EP 2002-758297 A3	20020703
			WO 2002-EP7340 W	20020703

OTHER SOURCE(S): MARPAT 138:89824
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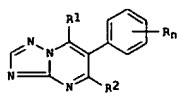

I

L5 ANSWER 105 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Title compds. [I; n = 0-5; R = halo, cyano, OH, cyanate (OCN), (substituted) alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, alkoxy, alkenyloxy, alkynyloxy, haloalkoxy, cycloalkyl, cycloalkenyl, cycloalkoxy, alkoxycarbonyl, alkenyloxycarbonyl, alkynyloxycarbonyl, aminocarbonyl, alkylaminocarbonyl, dialkylaminocarbonyl, alkyloximinoalkyl, alkenyloximinocarbonyl, alkynyloximinoalkyl, alkylcarbonyl, alkenylcarbonyl, alkynylcarbonyl, cycloalkylcarbonyl, 5-10 membered (saturated) (aromatic) heterocyclyl containing O, N, or S; R1 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, Ph, naphthyl, 5-10 membered (saturated) (aromatic) heterocyclyl containing O, N, or S; R2 = (substituted) alkyl, alkenyl, alkynyl], were prepared Thus, 7-cyclohexyl-5-(diethylmalon-2-yl)-6-(2-chloro-6-fluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine (preparation given) was stirred in concentrated HCl for 2 h at 80°-90° to give 66% 7-cyclohexyl-5-methyl-6-(2-chloro-6-fluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 63 ppm showed 90% control of Alternaria solani on tomato.

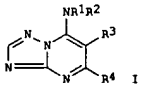
IT **484011-96-3P**, 5,7-Dimethyl-6-phenyl-1,2,4-triazolo[1,5-a]pyrimidine
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines as agricultural fungicides)

RN 484011-96-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5,7-dimethyl-6-phenyl- (9CI) (CA INDEX NAME)

L5 ANSWER 106 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:882068 CAPLUS
DOCUMENT NUMBER: 137:364890
TITLE: Use of triazolopyrimidine derivatives as microbicides for technical materials and wood preservatives
INVENTOR(S): Bruns, Rainer; Kugler, Martin; Jaetsch, Thomas; Elbe, Hans-Ludwig; Kuhnt, Dietmar; Gebauer, Olaf; Rieck, Heiko
PATENT ASSIGNEE(S): Bayer Ag, Germany
SOURCE: Ger. Offen., 10 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

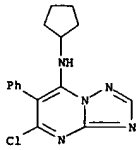
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10124208	A1	20021121	DE 2001-10124208	20010518
CA 2447623	AA	20021128	CA 2002-2447623	20020506
WO 2002094020	A1	20021128	WO 2002-EP4965	20020506
WO 2002094020	C1	20050512		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
NZ 529567	A	20031219	NZ 2002-529567	20020506
EE 200300538	A	20040216	EE 2003-538	20020506
EP 1395117	A1	20040310	EP 2002-724307	20020506
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002009830	A	20040615	BR 2002-9830	20020506
CN 1509143	A	20040630	CN 2002-810139	20020506
JP 2004527576	T2	20040909	JP 2002-590749	20020506
US 2002198222	A1	20021226	US 2002-147224	20020516
NO 2003005012	A	20031111	NO 2003-5012	20031111
ZA 2003008893	A	20041123	ZA 2003-8893	20031114

PRIORITY APPLN. INFO.: DE 2001-10124208 A 20010518
WO 2002-EP4965 W 20020506
OTHER SOURCE(S): MARPAT 137:364890
GI



L5 ANSWER 106 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

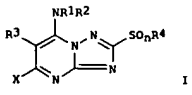
AB The triazolopyrimidine derivs. I [R1 = alkyl, alkenyl, alkynyl or cycloalkyl; R2 = H or alkyl; R1NR20 = (un)substituted heterocyclyl; R3 = (un)substituted alkyl; R4 = H or halo] and their salts N-oxides or isomers, are used for the microbicidal protection of tech. materials and as wood preservatives.
IT **150987-39-6**
RL: BUU (Biological use, unclassified); **BIOL (Biological study)**; USES (Uses)
(microbicide for tech. materials and wood preservative)
RN 150987-39-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-cyclopentyl-6-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 107 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:849630 CAPLUS
DOCUMENT NUMBER: 137:353057
TITLE: Preparation of 1,2,4-triazolo[1,5-a]pyrimidines as agricultural bactericides and fungicides
INVENTOR(S): Gebauer, Olaf; Greul, Joerg Nico; Heinemann, Ulrich; Elbe, Hans-Ludwig; Krueger, Bernd-Wieland; Dunkel, Ralf; Voerste, Arnd; Ebbert, Ronald; Wachendorff-Neumann, Ulrike; Kuck, Karl-Heinz; Kitagawa, Yoshinori
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 112 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002088127	A2	20021107	WO 2002-EP4441	20020423
WO 2002088127	A3	20021227		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10121102	A1	20021107	DE 2001-10121102	20010427
EP 1392695	A2	20040303	EP 2002-766635	20020423
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004534019	T2	20041111	JP 2002-585426	20020423
US 2004157863	A1	20040812	US 2004-474948	20040407

PRIORITY APPLN. INFO.: DE 2001-10121102 A 20010427
WO 2002-EP4441 W 20020423
OTHER SOURCE(S): MARPAT 137:353057
GI

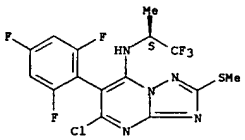


AB Title compds. [I; R1 = amino, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, alkoxy, alkenyloxy, alkynyloxy, cycloalkoxy, alkylamino, dialkylamino, alkenylamino, alkynylamino, cycloalkylamino, N-cycloalkyl-N-alkylamino, alkylideneamino, heterocyclyl, SR5; R5 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R2 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; or NR1R2 = heterocyclyl; R3 =

L5 ANSWER 107 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

(substituted) aryl; R4 = (substituted) alkyl, alkenyl, alkynyl; X = halo; n = 0-2] and salts thereof were prepd. Thus, a mixt. of 5,7-dichloro-2-(methylsulfanyl)-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine (prepn. given) and 4-trifluoromethylpiperidine in CH2Cl2 was treated with Et3N followed by stirring for 18 h at room temp. to give 83.4% 5-chloro-7-[4-(trifluoromethyl)-1-piperidinyl]-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine. Several I at 100 ppm gave 94-100% control of Podosphaera leucotricha.
IT **474505-04-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of triazolopyrimidines as agricultural bactericides and fungicides)
RN 474505-04-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-2-(methylthio)-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

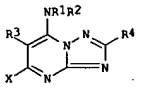
Absolute stereochemistry.



L5 ANSWER 108 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:831747 CAPLUS
DOCUMENT NUMBER: 137:325436
TITLE: Preparation of 7-amino[1,2,4]triazolo[1,5-a]pyrimidines as agricultural bactericides and fungicides
INVENTOR(S): Gebauer, Olaf; Greul, Joerg Nico; Heinemann, Ulrich; Elbe, Hans-Ludwig; Krueger, Bernd-Wieland; Maurer, Fritz; Dunkel, Ralf; Voerste, Arnd; Ebbert, Ronald; Wachendorff-Neumann, Ulrike; Kitagawa, Yoshinori; Mauler-Machnik, Astrid; Kuck, Karl-Heinz
PATENT ASSIGNEE(S): Bayer AG, Germany
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10121162	A1	20021031	DE 2001-10121162	20010430
WO 2002088126	A1	20021107	WO 2002-EP4287	20020418
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1392693	A1	20040303	EP 2002-732637	20020418
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1505632	A	20040616	CN 2002-809176	20020418
JP 2004534018	T2	20041111	JP 2002-585425	20020418
US 2004142943	A1	20040722	US 2004-474936	20040324
PRIORITY APPLN. INFO.:			DE 2001-10121162 A	20010430
			WO 2002-EP4287 W	20020418

OTHER SOURCE(S): MARPAT 137:325436
GI



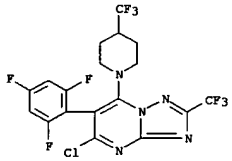
I

AB Title compds. [I; R1 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl,

L5 ANSWER 108 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
alkoxy, alkenyloxy, alkynyloxy, cycloalkyloxy, alkylamino, dialkylamino, alkenylamino, alkynylamino, cycloalkylamino, N-cycloalkyl-N-alkylamino, alkylideneamino, SR5; R5 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R2 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; or NR1R2 = (substituted) heterocyclyl; R3 = (substituted) alkyl; R4 = (substituted) alkyl; X = halo], were prepd. as bactericides and fungicides (no data). Thus, Et3N was added to a mixt. of 5,7-dichloro-2-(trifluoromethyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (prepn. given) and 4-trifluoromethylpiperidine in CH2Cl2 followed by stirring for 18 h at room temp. to give 30.3% 5-chloro-2-(trifluoromethyl)-7-(4-trifluoromethyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine.

IT **473253-08-6P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of aminotriazolopyrimidines as agricultural bactericides and fungicides)

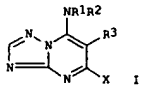
RN 473253-08-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-2-(trifluoromethyl)-7-[4-(trifluoromethyl)-1-piperidinyl]-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 109 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:831741 CAPLUS
DOCUMENT NUMBER: 137:325435
TITLE: Preparation of 7-amino[1,2,4]triazolo[1,5-a]pyrimidines as agricultural bactericides and fungicides
INVENTOR(S): Gebauer, Olaf; Greul, Joerg Nico; Heinemann, Ulrich; Elbe, Hans-Ludwig; Krueger, Bernd-Wieland; Dunkel, Ralf; Voerste, Arnd; Ebbert, Ronald; Mauler-Machnik, Astrid; Wachendorff-Neumann, Ulrike; Kuck, Karl-Heinz; Kitagawa, Yoshinori
PATENT ASSIGNEE(S): Bayer AG, Germany
SOURCE: Ger. Offen., 16 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10121101	A1	20021031	DE 2001-10121101	20010427
WO 2002088125	A2	20021107	WO 2002-EP4187	20020416
WO 2002088125	A3	20030213		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1397362	A2	20040317	EP 2002-737963	20020416
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004533436	T2	20041104	JP 2002-585424	20020416
US 2004176398	A1	20040909	US 2004-475317	20040326
PRIORITY APPLN. INFO.:			DE 2001-10121101 A	20010427
			WO 2002-EP4187 W	20020416

OTHER SOURCE(S): MARPAT 137:325435
GI



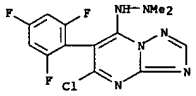
I

AB Title compds. [I; R1 = (substituted) alkoxy, alkenyloxy, alkynyloxy, cycloalkyloxy, alkylamino, dialkylamino, alkenylamino, alkynylamino, cycloalkylamino, N-cycloalkyl-N-alkylamino, alkylideneamino, SR4; R4 = (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R2 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R3 = (substituted) acyl; X = halo],

L5 ANSWER 109 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
were prepd. as agricultural bactericides and fungicides (no data). Thus, a mixt. of 5,7-dichloro-6-(2,6-difluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine, tert-butylhydroxylamine hydrochloride, and Et3N in CH2Cl2 was stirred 1 day at 40° and 1 day at room temp. to give 64% 7-(tert-butoxyamino)-5-chloro-6-(2,6-difluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine.

IT **473266-36-3P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of aminotriazolopyrimidines as agricultural bactericides and fungicides)

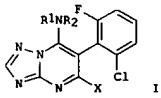
RN 473266-36-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(2,2-dimethylhydrazino)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 110 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:814135 CAPLUS
DOCUMENT NUMBER: 137:325429
TITLE: Preparation of 6-(2-chloro-6-fluorophenyl)-triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002083677	A1	20021024	WO 2002-EP3830	20020406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1381610	A1	20040121	EP 2002-727534	20020406
EP 1381610	B1	20040825		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004526767	T2	20040902	JP 2002-581432	20020406
AT 274518	E	20040915	AT 2002-727534	20020406
ES 2225784	T3	20050316	ES 2002-2727534	20020406
US 2004110751	A1	20040610	US 2003-474461	20031008

PRIORITY APPLN. INFO.: EP 2001-109010 A 20010411
WO 2002-EP3830 W 20020406
OTHER SOURCE(S): MARPAT 137:325429
GI



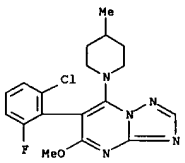
I

L5 ANSWER 110 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB The title compds. [I; R1, R2 = H, alkyl, (un)substituted Ph, heterocyclyl, etc.; or NR1R2 = (un)substituted 5-6 membered heterocyclic ring; X = CN, alkoxy, haloalkoxy, alkenyloxy], useful for combating phytopathogenic fungi, were prepared Thus, treating I [NR1R2 = 4-methylpiperidino; X = Cl] with NaOMe in MeOH afforded I [NR1R2 = 4-methylpiperidino; X = OMe]. The tomato plants (infested by Alternaria solani) which had been treated with 63 ppm of the latter showed an infection of up 3%, whereas the untreated plants were infected to 100%.

IT **388060-18-2P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 6-(2-chloro-6-fluorophenyl)triazolopyrimidines as agrochem.
fungicides)

RN 388060-18-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

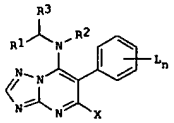


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 111 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:814134 CAPLUS
DOCUMENT NUMBER: 137:325428
TITLE: Preparation of 5-halogen-6-phenyl-7-fluoroalkylamino-triazolopyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Ammermann, Eberhard; Pees, Klaus-Juergen; Albert, Guido; Rehnig, Annerose; Search, Debra
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002083676	A1	20021024	WO 2002-EP3829	20020406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2443696	AA	20021024	CA 2002-2443696	20020406
EE 200300499	A	20031215	EE 2003-499	20020406
EP 1381609	A1	20040121	EP 2002-727533	20020406
EP 1381609	B1	20050119		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2002008756	A	20040511	BR 2002-8756	20020406
CN 1501936	A	20040602	CN 2002-808080	20020406
JP 2004531527	T2	20041014	JP 2002-581431	20020406
AT 287405	E	20050215	AT 2002-727533	20020406
NZ 528745	A	20050324	NZ 2002-528745	20020406
PT 1381609	T	20050531	PT 2002-727533	20020406
ES 2236509	T3	20050716	ES 2002-2727533	20020406
CZ 295558	B6	20050817	CZ 2003-2721	20020406
BG 108238	A	20050430	BG 2003-108238	20031007
US 2004127509	A1	20040701	US 2003-474460	20031008
ZA 2003007888	A	20041011	ZA 2003-7888	20031009

PRIORITY APPLN. INFO.: EP 2001-109011 A 20010411
WO 2002-EP3829 W 20020406
OTHER SOURCE(S): MARPAT 137:325428
GI



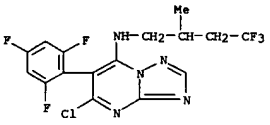
I

L5 ANSWER 111 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB The title compds. [I; R1 = H, F, alkyl, alkenyl, alkynyl, alkadienyl; R2 = H, alkyl, alkenyl, alkynyl, alkadienyl; R3 = fluoroalkyl, fluoroalkenyl; X = halo; n = 0-4; L = halo, NO2, alkyl, haloalkyl, alkoxy, haloalkoxy], useful for combating phytopathogenic fungi, were prepared Thus, reacting 1,1,1-trifluorobutane-4-amine with 5,7-dichloro-6-(2-chloro-6-fluorophenyl)-[1,2,4]-triazolo[1,5-a]pyrimidine in the presence of Et3N in CH2Cl2 afforded I [R1, R2 = H; R3 = (CH2)2CF3; X = Cl; n = 2; L1 = 2-Cl; L2 = 6-F]. The young apple plants infested with Venturia inequalis had been treated with 200 ppm of the latter and showed an infection of up to 15%, whereas the untreated plants were infected to 80%.

IT **388061-02-7P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 5-halogen-6-phenyl-7-fluoroalkylamino-triazolopyrimidines as fungicides)

RN 388061-02-7 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(4,4,4-trifluoro-2-methylbutyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

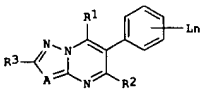


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

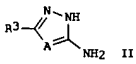
L5 ANSWER 112 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:807309 CAPLUS
DOCUMENT NUMBER: 137:325424
TITLE: Preparation of 5-(haloalkyl)azolopyrimidines and their use as pesticides
INVENTOR(S): Miyahara, Osamu; Hamamura, Hiroshi; Hirai, Yukio; Yokota, Yori
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002308879	A2	20021023	JP 2001-115989	20010413
PRIORITY APPLN. INFO.:			JP 2001-115989	20010413
OTHER SOURCE(S):	MARPAT 137:325424			

GI



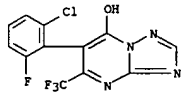
I



II

AB Title compds. I [R1 = H, OH, halo, C1-8 (halo)alkyl, C2-8 alkenyl, C2-8 alkynyl, C3-8 cycloalkyl, (un)substituted heterocyclyl, (un)substituted aryl, amino, etc.; R2 = C1-8 haloalkyl; R3 = H, C1-4 alkyl, (un)substituted aryl; L = halo, C1-4 alkyl, C1-3 haloalkyl, C1-4 alkoxy, C1-3 haloalkoxy; n = 0-5; A = N, CH] or their salts are useful as marine antifouling agents, insecticides, acaricides (no data), and agrochem. fungicides. I (R1 = OH; R2, R3, L, n, A = same as above) are prepared by treatment of R2COCH(C6H5-nLn)CO2R4 [R2, L, n = same as above; R4 = C1-4 alkyl, (un)substituted Ph] with azoles II (R3, A = same as above). Thus,

L5 ANSWER 112 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
I (R1 = OH, R2 = CF3, R3 = H, Ln = 2-Cl-6-F-C6H3, A = N) was chlorinated with POCl3 to give the corresponding chloride with 52% yield, which was condensed with 4-pipecoline to afford 85% I (R1 = 4-pipecolino, R2 = CF3, R3 = H, Ln = 2-Cl-6-F-C6H3, A = N). The product showed ≥75% antifungal activity against Venturia inaequalis.
IT **473435-02-8P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 5-(haloalkyl)azolopyrimidines as pesticides)
RN 473435-02-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-ol, 6-(2-chloro-6-fluorophenyl)-5-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 113 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:807308 CAPLUS
DOCUMENT NUMBER: 137:325423
TITLE: Preparation of azolopyrimidines and their use as agrochemical fungicides
INVENTOR(S): Miyahara, Osamu; Hamamura, Hiroshi; Hirai, Yukio
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 46 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002308878	A2	20021023	JP 2001-115972	20010413
PRIORITY APPLN. INFO.:			JP 2001-115972	20010413
OTHER SOURCE(S):	MARPAT 137:325423			

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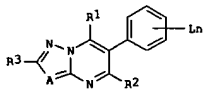

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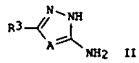
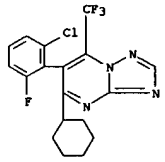


II

AB Title compds. I [A = N, CH; R1 = H, C1-3 (halo)alkyl, CHO, CO2H, hydroxyiminomethyl, cyano, etc.; R2 = (un)substituted C3-8 cycloalkyl, (un)substituted heterocyclyl; R3 = H, C1-4 alkyl, (un)substituted aryl; L = halo, C1-4 alkyl, C1-3 haloalkyl, C1-4 alkoxy, C1-3 haloalkoxy; n = 0-5] or their salts are prepared by treatment of R4COCH(C6H5-nLn)CO2R5 [L, n = same as above; R4 = C1-3 haloalkyl; R5= C1-4 alkyl, (un)substituted Ph] with azoles II (R3, A = same as above), halogenation of the resulting I (A, R3, R4, L, n = same as above; R2 = OH), and treatment of the halides with R2X [R2 = same as above; X = H, halo, (halo-substituted) metal]. Thus, cyclocondensation of F3CCOCH(C6H4-2-Cl-6-F)CO2Et with 3-amino-1H-1,2,4-triazole gave 24% I (A = N, R1 = CF3, R2 = OH, Ln = 2-Cl-6-F-C6H3, R3 = H), which was chlorinated and treated with cyclohexylmagnesium bromide to afford I (A = N, R1 = CF3, R2 = cyclohexyl, Ln = 2-Cl-6-F-C6H3, R3 = H). The product showed ≥75% antifungal activity against Venturia inaequalis.
IT **473438-11-8P**

L5 ANSWER 113 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(prepn. of azolopyrimidines as agrochem. fungicides)
RN 473438-11-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-cyclohexyl-7-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 114 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:792124 CAPLUS
DOCUMENT NUMBER: 137:294973
TITLE: Preparation of 5-alkylamino-6-aryl-7-chlorotriazolopyrimidines as fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Ammermann, Eberhard; Pees, Klaus-Juergen; Pfrengle, Waldemar
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1249452	A1	20021016	EP 2001-108841	20010409
EP 1249452	B1	20040630		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 270292	E	20040715	AT 2001-108841	20010409
PRIORITY APPLN. INFO.:			EP 2001-108841 A	20010409
OTHER SOURCE(S):	MARPAT 137:294973			

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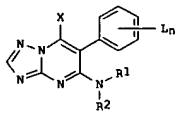
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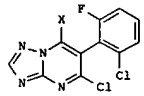
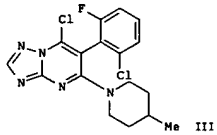

II

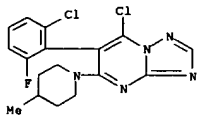

III

AB The title compds. I [wherein R1 and R2 = independently H, (cyclo)alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, bicycloalkyl, Ph, naphthyl, 5- or 6-membered heterocyclyl, 5- or 6-membered heteroaryl, etc.; or R1 and R2 radicals may be (un)substituted with halo or may carry 1-3 R3; R3 = halo, CN, NO2, OH, (halo)alkyl, cycloalkyl, (halo)alkoxy, alkylthio, (di)alkylamino, alkenyl(oxy), alkynyl(oxy), (un)halogenated alkylenedioxy; or R1 and R2 together with the adjacent nitrogen atom form (un)substituted

L5 ANSWER 114 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
5- or 6-membered heterocycle, etc.; L = H, halo, (halo)alkyl, or alkoxy; n = 1-5; X = halo] were prepd. by hydroxylation, amination, and chlorination reactions as fungicides. For example, the triazolo[1,5-a]pyrimidine II (X = Cl) was treated with 10% aq. NaOH in THF to give II (X = OH). The above compd. was then reacted with 4-methylpiperidine, followed by chlorination by phosphorous oxychloride to afford fungicidal III. Young apple seedlings which had been treated with 12.5 ppm of III showed fungal attack of 7%, whereas the untreated plants were infected to 80%.

IT **470461-42-8P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(phytopathogenic fungi agent; preparation of (alkylamino)(aryl)chlorotriazol opyrimidines by hydroxylation, amination, and chlorination of aryldichlorotriazolopyrimidines)

RN 470461-42-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-chloro-6-(2-chloro-6-fluorophenyl)-5-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 115 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:675750 CAPLUS
DOCUMENT NUMBER: 137:181098
TITLE: Synergistic fungicidal mixtures comprising a benzophenone derivative
INVENTOR(S): Cotter, Henry Van Tuyl; Reichert, Gunter; Sieverding, Ewald; Jegerings, Petrus Martinus Franciscus Emanuel
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002067679	A1	20020906	WO 2001-EP1823	20010219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			WO 2001-EP1823	20010219
OTHER SOURCE(S):	MARPAT 137:181098			

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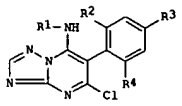

I

AB Fungicidal compns. for controlling the growth of phytopathogenic fungi comprise synergistically effective amts. of (a) a benzophenone derivative (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone (REG 220899-03-6) and (b) at least one fungicidally active ingredient selected from groups (A), (B), (C), (D) and (E): (A) an ergosterol biosynthesis inhibitor; (B) a strobilurine derivative; (C) a melanin biosynthesis inhibitor; (D) a compound selected from the group consisting of acibenzolar, benomyl, captan, carboxin, chlorothalonil, copper, cyprodinil, dinocap, dithianon, dimethomorph, dodine, ethirimol, famoxadone, fenpiclonil, fluazinam, mancozeb, metalaxyl, pyrifenox, sulfur, vinclozolin; and (E) a triazolopyrimidine I (Markush included).

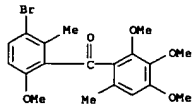
IT **451486-54-7**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal compns. containing)

RN 451486-54-7 CAPLUS
CN Methanone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)-, mixt. with 5-chloro-6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoroethyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX

L5 ANSWER 115 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
NAME)

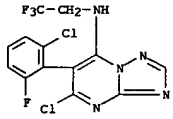
CM 1

CRN 220899-03-6
CMF C19 H21 Br O5



CM 2

CRN 214633-87-1
CMF C13 H7 Cl2 F4 N5



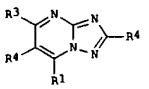
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 116 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:637565 CAPLUS
DOCUMENT NUMBER: 137:185499
TITLE: Preparation of triazolopyrimidines as thrombin inhibitors
INVENTOR(S): Williams, Peter D.; Coburn, Craig; Burgey, Christopher; Morrissette, Matthew M.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 184 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002064211	A1	20020822	WO 2002-US4654	20020205

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

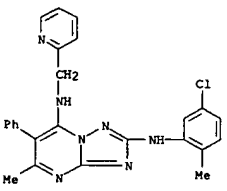
PRIORITY APPLN. INFO.: US 2001-267813P P 20010209
OTHER SOURCE(S): MARPAT 137:185499
GI



I

AB Title compds. [I; R1 = H, halo, OH, NH(CH2)nR5, NHCH2CF2R5, etc.; n = 1-3; R2 = H, (CH2)mR6, SO2R6; m = 0-2; R3 = H, alkyl, cycloalkyl, CF3; R2R3 = atoms to form a 5-7 membered nonheterocyclic ring; R4 = CH2R7, NH(CH2)mR7; R5 = H, pyridine oxide, tetrahydrothiophene dioxide, (substituted) (hetero)cyclyl, etc.; R6 = pyridine oxide, (substituted) (hetero)cyclyl, etc.; R7 = (substituted) Ph, pyridyl], were prepared Thus, 3-(2-methyl-5-chlorophenylamino)-5-amino-1,2,4-triazole (preparation given) and
Et acetoacetate in HOAc were heated to reflux for 18 h. to give 2-(2-methyl-5-chlorophenylamino)-5-methyl-7-hydroxy-1,2,4-triazolo[1,5-a]pyrimidine. The latter was refluxed 1 h with POCl3 to give the 7-chloro derivative which was heated with 2-(2-pyridyl)ethylamine at 100° for 30 min. to give 2-(2-methyl-5-chlorophenylamino)-5-methyl-7-[2-(2-pyridyl)ethylamino]-1,2,4-triazolo[1,5-a]pyrimidine dihydrochloride (II). I inhibited thrombin with IC50<24 nM. II drug compns. are given.
IT **450399-07-2P**

L5 ANSWER 116 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(claimed compd.; prepn. of triazolopyrimidines as thrombin inhibitors)
RN 450399-07-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine-2,7-diamine, N2-(5-chloro-2-methylphenyl)-5-methyl-6-phenyl-N7-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 117 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:487564 CAPLUS
DOCUMENT NUMBER: 137:47222
TITLE: Preparation of aminotriazolopyrimidines as microbicides and pesticides.
INVENTOR(S): Gebauer, Olaf; Elbe, Hans-Ludwig; Henrich, Marielouise; Marhold, Albrecht; Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Kuck, Karl-Heinz; Voerste, Arnd; Kitagawa, Yoshinori; Heinemann, Ulrich; Hilgers, Petra; Pleschke, Axel
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050077	A2	20020627	WO 2001-EP14415	20011207
WO 2002050077	A3	20020912		

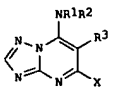
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10063115	A1	20020627	DE 2000-10063115	20001218
AU 2002031676	A5	20020701	AU 2002-31676	20011207
EP 1349859	A2	20031008	EP 2001-991808	20011207

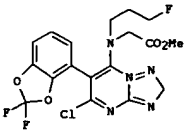
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004516296	T2	20040603	JP 2002-551970	20011207
US 2004097522	A1	20040520	US 2003-450744	20031117

PRIORITY APPLN. INFO.: DE 2000-10063115 A 20001218
WO 2001-EP14415 W 20011207
OTHER SOURCE(S): MARPAT 137:47222
GI



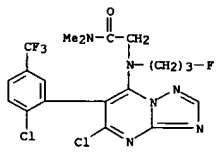
I



II

AB Title compds. [I; R1, R2 = (substituted) alkyl, alkenyl, alkynyl; R3 = (substituted) heterocyclyl, alkyl; X = halo], were prepared as microbicides and pesticides (no data). Thus, 5,7-dichloro-6-(2,2-difluoro-1,2-

L5 ANSWER 117 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
benzodioxol-4-yl)-1,2,4-triazolo[1,5-a]pyrimidine, (3-fluoropropyl)(methoxycarbonylmethyl)amine, and K2CO3 were stirred 16 h in MeCN to give 64.8% title compd. (II).
IT **438527-55-0P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of aminotriazolopyrimidines as microbicides and pesticides)
RN 438527-55-0 CAPLUS
CN Acetamide, 2-[[5-chloro-6-[2-chloro-5-(trifluoromethyl)phenyl][1,2,4]triazolo[1,5-a]pyrimidin-7-yl](3-fluoropropyl)amino]-N,N-dimethyl- (9CI) (CA INDEX NAME)



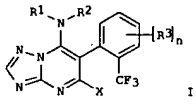
L5 ANSWER 118 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:392233 CAPLUS
DOCUMENT NUMBER: 136:386133
TITLE: Preparation of 6-(2-trifluoromethylphenyl)triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Pees, Klaus-Juergen; Schieweck, Frank; Tormo i Blasco, Jordi; Sauter, Hubert; Cullman, Oliver; Muller, Bernd; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schafer, Peter; Ammermann, Eberhard; Strathmann, Siegried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): BASF Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 566,339.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002061882	A1	20020523	US 2000-735126	20001212
US 6559151	B2	20030506		
WO 2002046195	A1	20020613	WO 2000-EP12271	20001206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001023629	A5	20020618	AU 2001-23629	20001206
EP 1341794	A1	20030910	EP 2000-987356	20001206
EP 1341794	B1	20040818		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004515502	T2	20040527	JP 2002-547932	20001206
AT 273981	E	20040915	AT 2000-987356	20001206
PT 1341794	T	20041130	PT 2000-987356	20001206
ES 2226968	T3	20050401	ES 2000-987356	20001206

PRIORITY APPLN. INFO.:
US 2000-566339 A2 20000508
EP 2000-987356 A 20001206
WO 2000-EP12271 A 20001206
US 2000-735126 A 20001212

OTHER SOURCE(S): MARPAT 136:386133
GI

L5 ANSWER 118 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

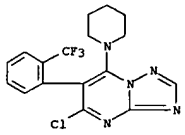


I

AB The title compds. [I; R1, R2 = H, alkyl, cycloalkyl, Ph, etc.; or R1 and R2 together with the interjacent nitrogen atom represent (un)substituted 5-6 membered heterocyclic ring, containing 1-4 nitrogen atoms or 1-3 nitrogen atoms and one sulfur or oxygen atom; R3 = H, halo, alkyl, alkoxy and haloalkyl; X = halo], useful for controlling phytopathogenic fungi, were prepared E.g., a multi-step synthesis of I [NR1R2 = 4-methylpiperidino; R3 = 5-F; X = Cl] which showed severe inhibition of Rhizoctonia solani growth at 25 ppm in vitro, was given.

IT **388060-03-5P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 6-(2-trifluoromethylphenyl)triazolopyrimidines as agrochem. fungicides)

RN 388060-03-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(1-piperidinyl)-6-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

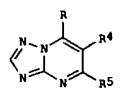


L5 ANSWER 119 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:368473 CAPLUS
DOCUMENT NUMBER: 136:386126
TITLE: Preparation of 7-[(chiral-alkyl)amino]triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Tormo i Blasco, Jordi; Ditrich, Klaus; Sauter, Hubert; Cullmann, Oliver; Gewehr, Markus; Grammenos, Wassilios; Mueller, Bernd; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038565	A2	20020516	WO 2001-EP12977	20011109
WO 2002038565	A3	20031009		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002021831	A5	20020521	AU 2002-21831	20011109
EP 1368351	A2	20031210	EP 2001-993385	20011109
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004513170	T2	20040430	JP 2002-541098	20011109
US 2004110771	A1	20040610	US 2003-416467	20030512
US 6855718	B2	20050215		

PRIORITY APPLN. INFO.:
DE 2000-10056101 A 20001113
WO 2001-EP12977 W 20011109

OTHER SOURCE(S): CASREACT 136:386126; MARPAT 136:386126
GI



I

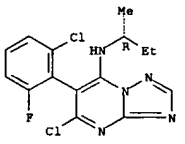
AB Title compds. [I; R = NR1CHMeR3; R1 = H or Me; R3 = (cyclo)alkyl or alkoxymethyl; R4 = substituted Ph; R5 = halo, cyano, alkyl, alkoxy] were prepared Thus, I (R4 = 2,4,6-trifluorophenyl, R5 = Cl) (II, R = Cl) was aminated by (R)-MeCH(NH2)CMe3 (preparation each given) to give II [R =

L5 ANSWER 119 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(R)-NHCHMeCMe3]. Data for biol. activity of I were given.

IT **424824-06-6P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 7-[(chiral-alkyl)amino]triazolopyrimidines as agrochem. fungicides)

RN 424824-06-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluorophenyl)-N-[(1R)-1-methylpropyl]- (9CI) (CA INDEX NAME)

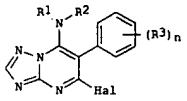
Absolute stereochemistry.



L5 ANSWER 120 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:367273 CAPLUS
DOCUMENT NUMBER: 136:365301
TITLE: Concentrated spreading oil crop protection formulation for aqueous environments
INVENTOR(S): Aven, Michael; Hasui, Hideaki; Motoyoshi, Masatoshi
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6387848	B1	20020514	US 2000-716194	20001117
AU 2001031546	A5	20010530	AU 2001-31546	20001116
PRIORITY APPLN. INFO.:			US 1999-442822 A	19991118
			WO 2000-EP11334 W	20001116
			US 2000-716194 A	20001117

OTHER SOURCE(S): MARPAT 136:365301
GI



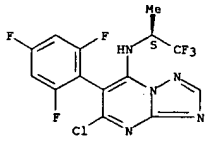
I

AB A non-aqueous, stable concentrated single-phase spreading oil (SO) formulation for crop protection active compds. comprises: (a) 15 to 400 g/L of one or more crop protection active triazolopyrimidine I (R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl or heterocyclyl, or R1 and R2 together with adjacent N = (un)substituted heterocyclic ring; R3 = halo, alkyl or alkoxy; n = 0-5; Hal = halo); (b) 300 to 700 g/L of one or more plant oils; (c) 30 to 200 g/L of one or more polar aprotic organic solvents selected from the group consisting of N-C1-18 alkylpyrrolidone, N-C5-8 cycloalkylpyrrolidone, γ-butyrolactone and cyclohexane; and (d) optionally one or more methylated plant oils; wherein the sum of all ingredients in the formulation adds up to one liter. Optionally, the SO formulation can also have at least one methylated plant oil. The SO formulation is useful for blast control in an aquatic environment of rice plants.

IT **249648-16-6**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(concentrated spreading oil crop protection formulation for aqueous environments containing)

L5 ANSWER 120 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 249648-16-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

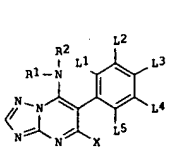


REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 121 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:327917 CAPLUS
DOCUMENT NUMBER: 136:340691
TITLE: Fluoro-substituted 7-heterocyclyl-triazolopyrimidines and their use as fungicides
INVENTOR(S): Pees, Klaus-juergen; Rehnig, Annerose; Albert, Guido
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6380202	B1	20020430	US 1999-405658	19990924
PRIORITY APPLN. INFO.:			US 1998-101770P P	19980925

OTHER SOURCE(S): MARPAT 136:340691
GI



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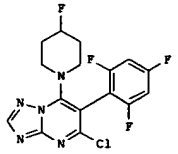


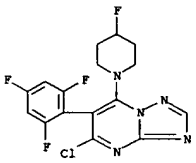
II

AB Title compds. I are disclosed [wherein: NR1R2 = heterocyclyl bearing at least one F atom or fluoroalkyl group; X = halo; L1-L5 = H, halo, alkyl, or NO2]. Seven specific examples are claimed and prepared For instance, title compound II was prepared by treatment of the alc. 5-chloro-7-(4-hydroxypiperid-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine with DAST in CH2Cl2 at -78°. II gave 100% control of Erysiphe graminis on Triticum aestivum at a concentration of 25 ppm.

IT **288619-16-9P**, 5-Chloro-7-(4-fluoropiperid-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(fungicide; preparation of fluoro-substituted heterocyclyltriazolopyrimidine s as fungicides)

RN 288619-16-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-fluoro-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 121 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

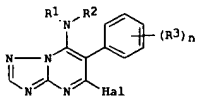


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 122 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:157492 CAPLUS
DOCUMENT NUMBER: 136:195632
TITLE: Adjuvants enhancing the efficacy of triazolopyrimidine fungicides
INVENTOR(S): Aven, Michael; Sieverding, Ewald
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002015697	A2	20020228	WO 2001-EP9786	20010824
WO 2002015697	A3	20020808		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2420217	AA	20020228	CA 2001-2420217	20010824
AU 2002014958	A5	20020304	AU 2002-14958	20010824
US 2002045631	A1	20020418	US 2001-938745	20010824
EP 1313370	A2	20030528	EP 2001-983451	20010824
EP 1313370	B1	20040630		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001013398	A	20030715	BR 2001-13398	20010824
JP 2004506662	T2	20040304	JP 2002-520624	20010824
NZ 524298	A	20040528	NZ 2001-524298	20010824
AT 270044	E	20040715	AT 2001-983451	20010824
PT 1313370	T	20041029	PT 2001-983451	20010824
ES 2223932	T3	20050301	ES 2001-1983451	20010824
CZ 295872	B6	20051116	CZ 2003-842	20010824
US 2003176427	A1	20030918	US 2003-362058	20030220
ZA 2003002272	A	20040721	ZA 2003-2272	20030324
PRIORITY APPLN. INFO.:			US 2000-228328P P	20000825
			WO 2001-EP9786 W	20010824

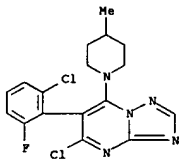
OTHER SOURCE(S): MARPAT 136:195632
GI



I

L5 ANSWER 122 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB A concentrated aqueous fungicidal formulation for application to plants comprises a triazolopyrimidine I (R1, R2 =H, C1-C110-alkyl, C2-C10-alkenyl, C2-C10-alkynyl, C4-C10-alkadienyl, C3-C10-cycloalkyl, Ph, naphthyl, etc.; R3 = C1-C6-alkyl or C1-C6-alkoxy; n = 0-5; Hal = halo), (a) non-ionic water-soluble mixed polyalkoxylated aliphatic alc. surfactants, (b) non-ionic water soluble ethoxylated aliphatic alc. surfactants, (c) amine ethoxylates, and (d) micronized polymeric waxes. The adjuvant is present in an amount sufficient to provide a ratio of the compound of formula 1 to adjuvant at 100:75 to 100:100.000 in the applied formulation. The adjuvants enhance the efficacy of fungicidal triazolopzrimidines of and can be incorporated into formulations of the fungicidal compds. or be added to spray mixts. (tank mix) as sep. formulated additives in order to improve the efficacy and spectrum of these fungicides.
IT **187233-48-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(adjuvants enhancing efficacy of triazolopyrimidine fungicides)
RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

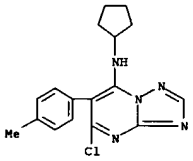


L5 ANSWER 123 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:31452 CAPLUS
DOCUMENT NUMBER: 136:96032
TITLE: Substituted triazolopyrimidines as anticancer agents
INVENTOR(S): Schmitt, Mark R.; Kirsch, Donald R.; Harris, Jane E.; Beyer, Carl F.; Pees, Klaus-Juergen; Carter, Paul; Pfrengle, Waldemar; Albert, Guido
PATENT ASSIGNEE(S): American Home Products Corporation, USA
SOURCE: PCT Int. Appl., 405 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002563	A2	20020110	WO 2001-US20672	20010628
WO 2002002563	A3	20030103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2413802	AA	20020110	CA 2001-2413802	20010628
BR 2001012038	A	20030401	BR 2001-12038	20010628
EP 1307200	A2	20030507	EP 2001-952295	20010628
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004502691	T2	20040129	JP 2002-507815	20010628
NZ 523807	A	20040924	NZ 2001-523807	20010628
US 2002068744	A1	20020606	US 2001-895975	20010629
BG 107277	A	20040130	BG 2002-107277	20021115
NO 2002006195	A	20030227	NO 2002-6195	20021223
ZA 2003000793	A	20040720	ZA 2003-793	20030129
PRIORITY APPLN. INFO.:			US 2000-215585P P	20000630
			WO 2001-US20672 W	20010628

OTHER SOURCE(S): MARPAT 136:96032
AB A method is provided for treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal in need thereof which comprises administering to the mammal an effective amount of a substituted triazolopyrimidine derivative or a pharmaceutically acceptable salt thereof. Also provided is a method for treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal in need thereof by interacting with tubulin and microtubules and promoting microtubule polymerization which comprises administering to the mammal an effective amount of a substituted triazolopyrimidine derivative or a pharmaceutically acceptable salt thereof.
IT **150987-15-8**
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); **BIOL (Biological study)**; USES (Uses)
(triazolopyrimidine derivs. as anticancer agents)
RN 150987-15-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-cyclopentyl-6-(4-methylphenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 123 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

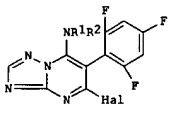


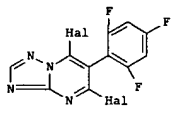
pregrant version

L5 ANSWER 124 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:719089 CAPLUS
DOCUMENT NUMBER: 135:253253
TITLE: Fungicidal trifluorophenyl-triazolopyrimidines
INVENTOR(S): Pees, Klaus-juergen; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 11 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6297251	B1	20011002	US 1999-457250	19991208
PRIORITY APPLN. INFO.:			US 1999-457250	19991208
OTHER SOURCE(S):	MARPAT 135:253253			

GI


I

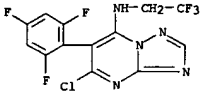

II

AB The compds. I [R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, or heterocyclyl other than (un)substituted 2,2,2-trifluoroethyl, or R1 and R2 with interjacent N = (un)substituted heterocyclic ring; Hal = halo, provided that Hal is other than Cl when R1 = (un)branched C1-6alkyl or C3-6cycloalkyl, and R2 = H, or when R1 and R2 with interjacent N = (un)substituted piperidine] are used as active ingredients in selective fungicidal compns., which also comprise a carrier. The compds. I are prepared by treating the compds. II (Hal = halo) with an amine (R1)(R2)NH (R1, R2 as defined above).

IT **214633-89-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation)
(fungicidal trifluorophenyl-triazolopyrimidines)

RN 214633-89-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoroethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 124 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



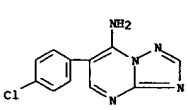
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 125 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:657149 CAPLUS
DOCUMENT NUMBER: 135:314860
TITLE: Identification of novel potent inhibitors for ATP-phosphoribosyl transferase using three-dimensional structural database search technique
AUTHOR(S): Gohda, Keigo; Ohta, Daisaku; Kozaki, Akiko; Fujimori, Ko; Mori, Ichiro; Kikuchi, Takeshi
CORPORATE SOURCE: International Research Laboratories, CIBA-GEIGY Japan Ltd., Takarazuka, 665, Japan
SOURCE: Quantitative Structure-Activity Relationships (2001), 20(2), 143-147
CODEN: QSARDI; ISSN: 0931-8771
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English

AB We identified new potent inhibitors for ATP-phosphoribosyl transferase, which is the first enzyme in histidine biosynthesis pathway, using three-dimensional database search (3D-search) technique. The 3D-search was based on the structure of product mol., N-1-(5'-phosphoribosyl)-ATP, as a template to find mols. targeting to the binding sites of two substrates (ATP and 5'-phosphoribosyl-1-pyrophosphate), i.e., bi-substrate mimicking. Four com.-available compds. with three different chemical classes were examined out of 36 low-mol. weight compds. selected from the hits of the searches. Amino(chlorophenyl)triazolopyrimidine compds., which are the simplest and smallest ones, showed potent activity (e.g., 92% inhibition at 100 μM). The structural comparison with the product mol. suggests that the simultaneous occupation of two substrate-binding sites likely enhances the enzyme inhibition. The most potent compound examined in this study was a disulfide-bond containing mol. (IC50 = 50 nM), whose mode of action seems to be different from the others.

IT **85841-26-5**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); **BIOL (Biological study)**
(identification of ATP-phosphoribosyl transferase inhibitors, using three-dimensional structural database search technique)

RN 85841-26-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(4-chlorophenyl)- (9CI) (CA INDEX NAME)

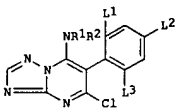


REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 126 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:614328 CAPLUS
DOCUMENT NUMBER: 135:176724
TITLE: Synergistic fungicidal mixtures containing azolopyrimidine and synthetic strobilurine derivatives
INVENTOR(S): Cotter, Henry Van Tuyl; May, Leslie; Reichert, Gunter; Sieverding, Ewald
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 15 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6277856	B1	20010821	US 1999-404910	19990924
US 6518275	B1	20030211	US 2001-809512	20010315
US 2003206968	A1	20031106	US 2002-314594	20021210
US 6699874	B2	20040302		
PRIORITY APPLN. INFO.:			US 1998-101769P	P 19980925
			US 1999-404910	A3 19990924
			US 2001-809512	A3 20010315
OTHER SOURCE(S):	MARPAT 135:176724			

GI

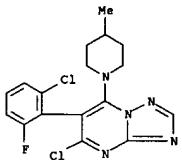

I

AB A synergistic fungicidal compns. comprise (a) at least one azolopyrimidine I (R1 = C1-6 alkyl, C3-6 alkenyl, C1-6 haloalkyl; or R2 = H, C1-6 alkyl; or R1R2 = C3-8 alkylene; L1 = halo; L2, L3 = H, halo) and (b) a synthetic strobilurine derivative The compns. are used for controlling wheat leaf rust, wheat Septoria leaf blotch and/or wheat powdery mildew.

IT **187233-48-3D**, mixture with synthetic strobilurine derivative
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixts. containing)

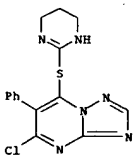
RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 126 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 127 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-phenyl-7-[(1,4,5,6-tetrahydro-2-pyrimidinyl)thio]- (9CI) (CA INDEX NAME)



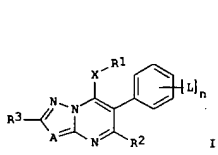
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 127 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

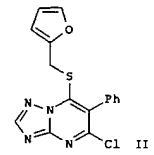
ACCESSION NUMBER: 2001:611753 CAPLUS
DOCUMENT NUMBER: 135:180780
TITLE: Fungicidal substituted 7-oxy- and 7-thiotriazolopyrimidines
INVENTOR(S): Pfrengle, Waldemar; Pees, Klaus-Juergen
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6277857	B1	20010821	US 1999-405412	19990924
PRIORITY APPLN. INFO.:			US 1998-101689P P	19980925
OTHER SOURCE(S):	MARPAT 135:180780			

GI



I



II

AB Title compds. I are disclosed [wherein: R1 = (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, or heterocyclyl; R2 = halo, -YR4; Y = O, S, or NR5; R3 = H, alkyl, aryl; R4 = as given for R1; R5 = H, as given for R1; or NR4R5 = heterocyclyl; L = halo, (un)substituted alkyl or alkoxy; A = N or CR6; R6 = as given for R3; X = O or S; n = 0-5]. The compds. are excellent and selective fungicides. Claims and examples include 47 specific compds., with phys. data for 25 of them. For instance, thioetherification of furfuryl mercaptan with 5,7-dichloro-6-phenyl-[1,2,4]triazolo[1,5-a]pyrimidine using NaH in THF gave 32% title compound II. Selected compds. I showed varying degrees of activity against 7 phytopathogens, with best activity against Alternaria solani (typical MIC = 1.56 to 25 mg/mL).

IT **288614-12-0P**, 5-Chloro-6-phenyl-7-(3,4,5,6-tetrahydropyrimidin-2-ylthio)-[1,2,4]triazolo[1,5-a]pyrimidine
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(fungicide; preparation of 7-oxy- and 7-thio-substituted triazolopyrimidines as agrochem. fungicides)

RN 288614-12-0 CAPLUS

L5 ANSWER 128 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:560065 CAPLUS
DOCUMENT NUMBER: 135:118256
TITLE: Synergistic fungicidal mixtures comprising azolopyrimidine and phenoxyamide derivatives
INVENTOR(S): Sieverding, Ewald; May, Leslie
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6268371	B1	20010731	US 1999-391794	19990909
US 2002111380	A1	20020815	US 2001-832964	20010411
US 6656944	B2	20031202		
PRIORITY APPLN. INFO.:			US 1998-99780P P	19980910
			US 1999-391794 A3	19990909
OTHER SOURCE(S):	MARPAT 135:118256			

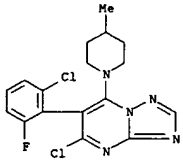
AB The title mixts. comprise 5-chloro-6-(2,4,6-trifluorophenyl)-7-(1,1,1-trifluoroprop-2-ylamino)-[1,2,4]triazolo[1,5-a]pyrimidine or a retaled azolopyrimidine and a melanin biosynthesis inhibitor (MBI), preferably a N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propionamide or a related phenoxyamide. The mixts. are especially useful for controlling Pyricularia oryzae in rice.

IT **261967-28-6**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal mixture)

RN 261967-28-6 CAPLUS
CN Propanamide, N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)-, mixt. with 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

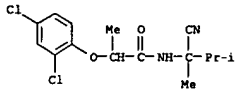
CRN 187233-48-3
CMF C17 H16 Cl2 F N5



CM 2

CRN 115852-48-7
CMF C15 H18 Cl2 N2 O2

L5 ANSWER 128 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



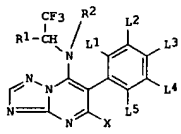
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 129 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:480706 CAPLUS
DOCUMENT NUMBER: 135:61350
TITLE: Preparation of 5-halo-6-phenyl-7-N-(2,2,2-trifluoroethylamino)-1,2,4-triazolo[1,5-a]pyrimidine agrochemical fungicides
INVENTOR(S): Pees, Klaus-Juergen; Krummel, Guenter; Cotter, Henry Van Tuyl; Albert, Guido; Rehnig, Annerose; May, Leslie; Pfrengle, Waldemar
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6255309	B1	20010703	US 1999-272916	19990319
US 2003055069	A1	20030320	US 2001-840488	20010423
PRIORITY APPLN. INFO.:			US 1997-43820P	P 19970414
			US 1999-272916	A3 19990319

OTHER SOURCE(S): CASREACT 135:61350; MARPAT 135:61350
GI



I

AB The title compds. (I; R1 = hydrogen, methyl; R2 = hydrogen, C1-10 alkyl; X = halogen; L1-L5 = hydrogen, halogen, alkyl, alkoxy; nitro; provided that at least one of L1-L5 = nitro or alkoxy, and further provided that when L3 = alkoxy then L2 and L4 = hydrogen), useful as agrochem. fungicides (no data), are prepared Thus, 2,2,2-trifluoroethylamine was reacted with 5,7-dichloro-6-(4-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine, forming 5-Chloro-6-(4-methoxyphenyl)-7-N-(2,2,2-trifluoroethylamino)-1,2,4-triazolo[1,5-a]pyrimidine, m.p. 183-185°.

IT **214634-35-2P**
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 5-halo-6-phenyl-7-N-(2,2,2-trifluoroethylamino)-1,2,4-triazolo[1,5-a]pyrimidine agrochem. fungicides)

RN 214634-35-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(4-methoxyphenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 129 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

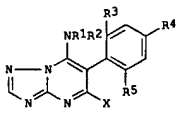
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 130 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:410426 CAPLUS
DOCUMENT NUMBER: 135:15432
TITLE: Fungicidal trihalophenyl-triazolopyrimidines
INVENTOR(S): Pees, Klaus-juergen
PATENT ASSIGNEE(S): Germany
SOURCE: U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 160,568.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6242451	B1	20010605	US 1999-405413	19990924
US 5985883	A	19991116	US 1998-160568	19980925
PRIORITY APPLN. INFO.:			US 1998-101764P	P 19980925
			US 1998-160568	A2 19980925

OTHER SOURCE(S): MARPAT 135:15432
GI

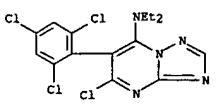


I

AB Trihalophenyl-triazolopyrimidines I (R1, R2 = H, or an optionally substituted alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl or heterocyclyl group, or R1 and R3 together with the interjacent nitrogen atom represent an optionally substituted heterocyclic ring; R3, R4, R5 = F, Cl, provided that at least one of R3, R4 and R5 is Cl; X = halogen atom.) showing selective fungicidal activity, in particular against rice blast disease, are prepared The new compds. are processed with carriers and, optionally, an adjuvant to provide fungicidal compns.

IT **249890-96-8P**
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fungicidal trihalophenyl-triazolopyrimidines)

RN 249890-96-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N,N-diethyl-6-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

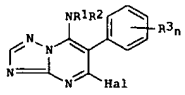


L5 ANSWER 130 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 131 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:380317 CAPLUS
DOCUMENT NUMBER: 134:362757
TITLE: Nonaqueous concentrated spreading oil for rice blast control
INVENTOR(S): Aven, Michael; Hasui, Hidaeki; Motoyoshi, Masatoshi
PATENT ASSIGNEE(S): Basf Corp., USA; Basf A.-G.
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001035738	A2	20010525	WO 2000-EP11334	20001116
WO 2001035738	A3	20011101		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001031546	A5	20010530	AU 2001-31546	20001116
BR 2000015677	A	20020806	BR 2000-15677	20001116
JP 2003513989	T2	20030415	JP 2001-537544	20001116
PRIORITY APPLN. INFO.:			US 1999-442822 A	19991118
			WO 2000-EP11334 W	20001116
			US 2000-716194 A	20001117

OTHER SOURCE(S): MARPAT 134:362757
GI

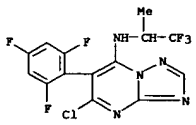


I

AB A nonaq., stable concentrated single-phase spreading oil (SO) formulation is disclosed. The SO formulation comprises a fungicidal triazolopyrimidine I [R1,R2 = H or (un)substituted alkyl, alkenyl, alkynyl, etc.; R1NR2 = heterocyclyl; R3 = halo, alkyl or alkoxy; n = 0-5; Hal = halo] and at least one plant oil and polar aprotic organic solvent. Optionally, the SO formulation can also have at least one methylated plant oil. The SO formulation is useful as a blasticide in an aquatic environment of rice plants.

IT **214633-94-0**, Azolopyrimidine C
RL: AGR (Agricultural use): **BIOL (Biological study)**; USES (Uses)
(nonaq. concentrated spreading oil for rice blast control containing)

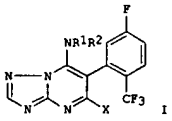
L5 ANSWER 131 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 214633-94-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 132 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:268399 CAPLUS
DOCUMENT NUMBER: 134:266315
TITLE: Fungicidal 6-(5-fluoro-2-trifluoromethylphenyl)triazolopyrimidines
INVENTOR(S): Pees, Klaus Juergen
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: Fr. Demande, 20 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2795073	A1	20001222	FR 2000-7526	20000613
FR 2795073	B1	20020816		
PRIORITY APPLN. INFO.:			US 1999-333447 A	19990615

OTHER SOURCE(S): MARPAT 134:266315
GI



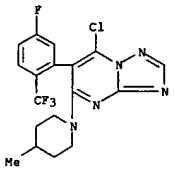
I

AB Title compds. I [NR1R2 = (un)substituted NH2; X = halo] were prepared for use as agricultural fungicides. Thus, 5,2-F(F3C)C6H3CH2CO2H was converted to its Et ester and then to 5,2-F(F3C)C6H3CH(CO2Et)2 which was treated with 3-amino-1,2,4-triazole to give 5,7-dihydroxy-6-(5-fluoro-2-trifluoromethylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine. This compound was chlorinated and then treated with 4-methylpiperidine to give I [NR1R2 = 4-methylpiperidino, X = Cl]. This compound had min. inhibitory concns. against Alternaria solani 0.2, Botrytis cinerea 0.78, and Magnaporthe grisea f. sp. oryzae <0.05 μg/mL.

IT **331953-72-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); **BIOL (Biological study)**; SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(fungicidal 6-(5-fluoro-2-trifluoromethylphenyl)triazolopyrimidines)

RN 331953-72-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-chloro-6-[5-fluoro-2-(trifluoromethyl)phenyl]-5-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 132 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

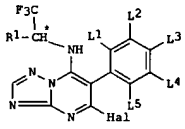


L5 ANSWER 133 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:195201 CAPLUS
DOCUMENT NUMBER: 134:233069
TITLE: Preparation of optically active fungicidal trifluoromethylalkylamino-triazolopyrimidines
INVENTOR(S): Pfrengle, Waldemar; Pees, Klaus-Juergen; Albert, Guido; Carter, Paul; Rehnig, Annerose; Cotter, Henry Van Tuyl
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 11 pp., Cont.-in-part of U.S. 5,986,135. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6204269	B1	20010320	US 1999-406574	19990924
US 5986135	A	19991116	US 1998-160894	19980925
PRIORITY APPLN. INFO.:			US 1998-160894	A2 19980925
OTHER SOURCE(S):	MARPAT 134:233069			

GI



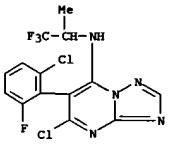
I

AB Optically active 7-(1,1,1-trifluoroalk-2-ylamino)-triazolopyrimidines I (R1 = C2-C6 alkyl; CH* = chiral carbon atom; Hal = halo; L1-L5 = H, halo, alkyl, alkoxy, or nitro), characterized in that the enantiomeric excess of the (S)-enantiomer is at least 70%, are prepared and show enhanced selective fungicidal activity against phytopathogenic fungi. The new compds. are processed with carriers, and optionally with adjuvants, to form fungicidal compns.

IT **214633-92-8P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fungicidal optically active enantiomers of)

RN 214633-92-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 133 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 134 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:909200 CAPLUS
DOCUMENT NUMBER: 134:38254
TITLE: Stable non-aqueous fungicidal suspension concentrate containing triazolopyrimidine
INVENTOR(S): Aven, Michael
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 7 pp. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6165940	A	20001226	US 1999-382092	19990824
PRIORITY APPLN. INFO.:			US 1998-101704P P	19980925
OTHER SOURCE(S):	MARPAT 134:38254			

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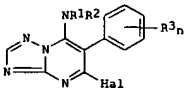


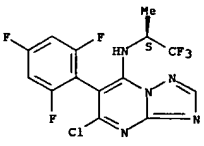
I

AB A non-aqueous, stable fungicidal suspension concentrate comprises (a) a triazolopyrimidine I (R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, etc.; R3 = halo, alkyl, alkoxy; n = 0 to 5; Hal = halo), (b) one or more adjuvants, (c) one or more organic solvents, one or more (d) non-ionic and (e) anionic dispersants, and, optionally, (f) one or more thickeners.

IT **249648-16-6**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(stable non-aqueous fungicidal suspension concentrate containing)

RN 249648-16-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

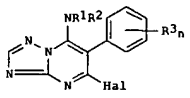
L5 ANSWER 134 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L5 ANSWER 135 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:687961 CAPLUS
DOCUMENT NUMBER: 133:248377
TITLE: Adjuvants enhancing the efficacy of triazolopyrimidine fungicides
INVENTOR(S): Aven, Michael; Cotter, Henry Van Tuyl; May, Leslie
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 11 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6124301	A	20000926	US 1999-268853	19990315
PRIORITY APPLN. INFO.:			US 1998-78259P P	19980317

OTHER SOURCE(S): MARPAT 133:248377
GI



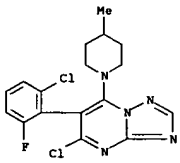
I

AB Adjuvants selected from liquid polyalkoxylated aliphatic alcs., solid sodium hydrocarbyl sulfonates and polyalkoxylated trisiloxanes enhance the efficacy of fungicidal triazolopyrimidines I [R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, etc.; R3 = halo, alkyl, alkoxy; n = 0-5; Hal = halo]. They can be incorporated into formulations of the fungicidal compds. or be added to spray mixts. (tank mix) as sep. formulated additives in order to improve the efficacy, systemic activity and spectrum of these fungicides.

IT **187233-48-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(adjuvants enhancing the efficacy of)

RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 135 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



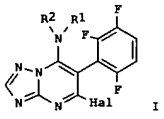
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 136 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:639175 CAPLUS
DOCUMENT NUMBER: 133:222738
TITLE: Preparation of trifluorophenyltriazolopyrimidines as fungicides.
INVENTOR(S): Pees, Klaus-juergen
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6117865	A	20000912	US 1999-273151	19990319
PRIORITY APPLN. INFO.:			US 1998-99711P P	19980910

OTHER SOURCE(S): MARPAT 133:222738
GI



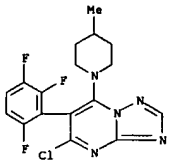
I

AB Trifluorophenyltriazolopyrimidine compds. (I) [(R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl etc.; or R1 and R2 together with interjacent N = (un)substituted heterocyclic or heterobicyclic ring; Hal = halogen atom)] were prepared for their use as fungicides. Thus, I (R1+R2 = (CH2)2CH(CH3)(CH2)2) was prepared by chlorination with phosphorus oxychloride and condensation with 4-Me piperidine of the product obtained by the reaction of di-Et (2,3,6-trifluorophenyl)-malonate and 3-amino-1,2,4-triazole. The new compds. were processed with carriers and adjuvants to form fungicidal compns and formulations were given.

IT **292035-68-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of trifluorophenyltriazolopyrimidines as fungicides.)

RN 292035-68-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,3,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 136 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 137 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:636212 CAPLUS
DOCUMENT NUMBER: 133:233897
TITLE: Preparation of fungicidal trifluorophenyl-triazolopyrimidines
INVENTOR(S): Pees, Klaus-juergen; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6117876	A	20000912	US 1998-57197	19980408
PRIORITY APPLN. INFO.:			US 1997-43816P P	19970414
OTHER SOURCE(S):	MARPAT 133:233897			

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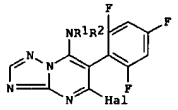
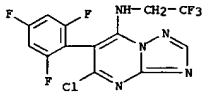


I

AB Trifluorophenyl-triazolopyrimidine compds. I (R1 = C1-C6-alkyl or C3-C6-cycloalkyl; R2 = H; or R1 and R2 with interjacent N = piperidine, optionally substituted with one or two C1-C6-alkyls; Hal = Cl) are prepared and possess selective fungicidal activity.

IT **214633-89-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation as fungicide)

RN 214633-89-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoroethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



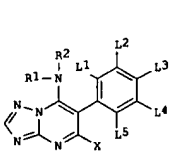
L5 ANSWER 137 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 138 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

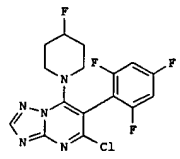
ACCESSION NUMBER: 2000:632343 CAPLUS
DOCUMENT NUMBER: 133:177189
TITLE: Fluoro-substituted 7-heterocyclyl-triazolopyrimidines and their use as fungicides
INVENTOR(S): Pees, Klaus Juergen; Rehnig, Annerose; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: Fr. Demande, 33 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2784991	A1	20000428	FR 1999-11676	19990917
FR 2784991	B1	20020816		
PRIORITY APPLN. INFO.:			US 1998-160693 A	19980925
OTHER SOURCE(S):	MARPAT 133:177189			

GI



I



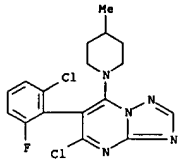
II

AB Title compds. I are disclosed [wherein: NR1R2 = heterocyclyl bearing at least one F atom or fluoroalkyl group; X = halogen; L1-L5 = H, halo, alkyl, or NO2]. Seven specific examples are claimed and prepared For instance, title compound II was prepared by treatment of the alc. 5-chloro-7-(4-hydroxypiperid-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine with DAST in CH2Cl2 at -78°. II gave 100% control of Erysiphe graminis on Triticum aestivum at a concentration of
25 ppm.

IT **187233-48-3**, 5-Chloro-7-(4-methylpiperid-1-yl)-6-(2-chloro-6-fluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); **BIOL (Biological study)**; **BIOL (Biological study)**
(comparison compound; preparation of fluoro-substituted heterocyclyltriazolopyrimidines as fungicides)

RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 138 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L5 ANSWER 139 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:632342 CAPLUS
DOCUMENT NUMBER: 133:177188
TITLE: Fungicidal substituted 7-oxy- and 7-thiotriazolopyrimidines
INVENTOR(S): Pfrengle, Waldemar Franz August; Pees, Klaus Juergen
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: Fr. Demande, 37 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2784380	A1	20000414	FR 1999-11131	19990906
FR 2784380	B1	20020906		
PRIORITY APPLN. INFO.:			US 1998-160696 A	19980925
OTHER SOURCE(S):	MARPAT 133:177188			

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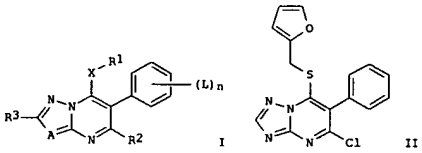
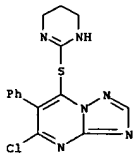


AB Title compds. I are disclosed [wherein: R1 = (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, or heterocyclyl; R2 = halo, -YR4; Y = O, S, or NR5; R3 = H, alkyl, aryl; R4 = as given for R1; R5 = H, as given for R1; or NR4R5 = heterocyclyl; L = halo, (un)substituted alkyl or alkoxy; A = N or CR6; R6 = as given for R3; X = O or S; n = 0-5]. The compds. are excellent and selective fungicides. Claims and examples include 47 specific compds., with phys. data for 25 of them. For instance, thioetherification of furfuryl mercaptan with 5,7-dichloro-6-phenyl-[1,2,4]triazolo[1,5-a]pyrimidine using NaH in THF gave 32% title compound II. Selected compds. I showed varying degrees of activity against 7 phytopathogens, with best activity against Alternaria solani (typical MIC = 1.56 to 25 mg/mL).

IT **288614-12-0P**, 5-Chloro-6-phenyl-7-(3,4,5,6-tetrahydropyrimidin-2-ylthio)-[1,2,4]triazolo[1,5-a]pyrimidine
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(fungicide; preparation of 7-oxy- and 7-thio-substituted triazolopyrimidines as agrochem. fungicides)

L5 ANSWER 139 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 288614-12-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-phenyl-7-[(1,4,5,6-tetrahydro-2-pyrimidinyl)thio]- (9CI) (CA INDEX NAME)

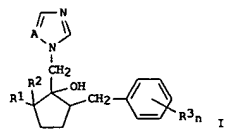


L5 ANSWER 140 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:534806 CAPLUS
DOCUMENT NUMBER: 133:131170
TITLE: Nonaqueous emulsifiable concentrate fungicide formulation
INVENTOR(S): Aven, Michael
PATENT ASSIGNEE(S): American Cyanamid Co., USA; BASF Aktiengesellschaft
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1023837	A2	20000802	EP 2000-300666	20000128
EP 1023837	A3	20010530		
EP 1023837	B1	20050330		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 291843	E	20050415	AT 2000-300666	20000128
ES 2240012	T3	20051016	ES 2000-300666	20000128
PRIORITY APPLN. INFO.:			US 1999-240634 A	19990129
OTHER SOURCE(S):	MARPAT 133:131170			

GI

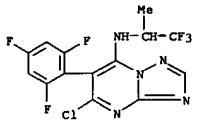


AB The title formulation comprises 50-300 g/L azole derivative I [R1, R2 = H or (un)substituted alkyl, alkenyl, alkynyl or alkadienyl; R3 = halo or (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, alkoxy or aryl; A = N or CH; n = 0,1 or 2] and, optionally, 50-500 g/L addnl. fungicide, as active ingredient. The inactive formulation ingredients are ≥700 g/L alkoxylates of an aliphatic alc., ≤100 g/L nonionic dispersant(s), 10-100 g/L anionic dispersant(s), 50-600 g/L polar aprotic organic solvent(s), 150-500 g/L nonpolar organic solvent(s), and ≤5 g/L defoamer.

IT **214633-94-0**
RL: AGR (Agricultural use); BUU (Biological use, unclassified); **BIOL (Biological study)**; USES (Uses)
(nonaq. emulsifiable concentrate fungicidal formulation containing)

RN 214633-94-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 140 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

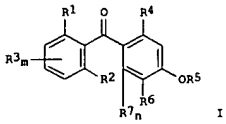


L5 ANSWER 141 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:534803 CAPLUS
DOCUMENT NUMBER: 133:131168
TITLE: Synergistic fungicidal mixtures
INVENTOR(S): Van Tuyl Cotter, Henry; Reichert, Gunter; Sieverding, Ewald; Jegerings, Petrus Martinus Franciscus Emanuel
PATENT ASSIGNEE(S): American Cyanamid Co., USA; BASF AG
SOURCE: Eur. Pat. Appl., 48 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1023834	A1	20000802	EP 2000-300637	20000128
EP 1023834	B1	20040407		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6346535	B1	20020212	US 1999-240412	19990129
US 6521628	B1	20030218	US 2000-492440	20000127
AT 263486	E	20040415	AT 2000-300637	20000128
PT 1023834	T	20040630	PT 2000-300637	20000128
ES 2218066	T3	20041116	ES 2000-300637	20000128
US 2002099062	A1	20020725	US 2002-46190	20020116
US 6498194	B2	20021224		
US 2002099063	A1	20020725	US 2002-46197	20020116
US 6734202	B2	20040511		

PRIORITY APPLN. INFO.: US 1999-117725P P 19990129
US 1999-240412 A 19990129
OTHER SOURCE(S): MARPAT 133:131168
GI



I

AB The title compns. comprise a benzophenone derivative mixted with at least one fungicide selected from a ergosterol biosynthesis inhibitor, a strobilurine derivative, a melanin biosynthesis inhibitor, a compound selected from acibenzolar, benomyl, captan, carboxin, chlorothalonil, copper, cyprodinil, dinocap, dithianon, dimethomorph, dodine, ethirimol, famoxadone, fenpiclonil, fluazinam, mancozeb, metalaxyl, pyrifenox, sulfur, vinclozolin, and/or an azolopyrimidine derivative (Markush given). The benzophenone derivative is I [R1 = OH, halo or (un)substituted alkyl,

L5 ANSWER 141 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

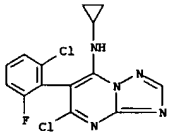
alkanoyloxy or alkoxy; R2 = halo or (un)substituted alkyl; R3 = halo, NO2 or (un)substituted alkyl or alkoxy; R4 = halo, CN, OH, CO2H, NH2, NO2, or (un)substituted alkyl, alkoxy, alkenyl, alkylthio, alkylsulfinyl or alkylsulfonyl; R5 = (un)substituted alkyl; R6 = halo, NO2, (un)substituted alkyl, alkoxy, aryloxy, etc.; R7 = halo, (un)substituted (cyclo)alkyl, alkenyl, (cyclo)alkoxy, etc.; m = 0 - 0, 1-3; n = 0 or 1].

IT **286844-31-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

RN 286844-31-3 CAPLUS
CN Methanone, (2,6-dichlorophenyl)[2-(1,1-dimethylethoxy)-3,4-dimethoxy-6-methylphenyl]-, mixt. with 5-chloro-6-(2-chloro-6-fluorophenyl)-N-cyclopropyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

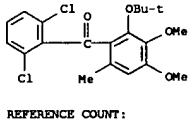
CM 1

CRN 286844-30-2
CMF C14 H10 Cl2 F N5



CM 2

CRN 286844-26-6
CMF C20 H22 Cl2 O4



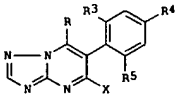
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 142 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:232595 CAPLUS
DOCUMENT NUMBER: 132:265197
TITLE: Preparation of (trihalophenyl)triazolopyrimidine compounds, their use as bactericides and fungicides, and pest control with them
INVENTOR(S): Pees, Klaus-Juergen
PATENT ASSIGNEE(S): American Cyanamid Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000103790	A2	20000411	JP 1999-257239	19990910
US 5985883	A	19991116	US 1998-160568	19980925

PRIORITY APPLN. INFO.: US 1998-160568 A 19980925
US 1998-161087 A 19980925
OTHER SOURCE(S): MARPAT 132:265197
GI



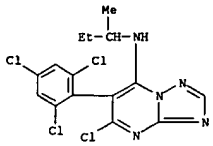
I

AB The title compds. I [R = NR1R2; R1, R2 = H, (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, heterocyclyl or NR1R2 (un)substituted heterocyclyl; R3-R5 = F, Cl; R3, R4, and/or R5 = Cl; X =], useful as bactericides and fungicides, especially against rice blast fungus, Pyricularia oryzae, are prepared by treatment of I (R = halo; R3-R5, X = same as above) with R1R2NH (R1, R2 = same as above). Also claimed are bactericidal and fungicidal compns. containing ≥1 I and carriers, and a method for controlling bacteria and fungi using I. 5-Chloro-6-(2,6-dichloro-4-fluorophenyl)-7-(4-methyl-piperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidine (preparation given) inhibited growth of Alternaria solani, Botrytis cinerea, Cochliobolus sativus, Magnaporthe grisea f. sp. oryzae, and Rhizoctonia solani at MICs 0.39, 0.39, 0.78, 0.04, and 12.5 μg/mL.

IT **249890-97-9P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of (trihalophenyl)triazolopyrimidines as agrochem. bactericides and fungicides)

RN 249890-97-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methylpropyl)-6-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 142 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L5 ANSWER 143 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:227433 CAPLUS
DOCUMENT NUMBER: 132:233051
TITLE: Nonaqueous pesticide suspension concentrate
INVENTOR(S): Aven, Michael
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000018227	A1	20000406	WO 1999-US22046	19990922
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2345296	AA	20000406	CA 1999-2345296	19990922
AU 9962601	A1	20000417	AU 1999-62601	19990922
AU 765664	B2	20030925		
EP 1130962	A1	20010912	EP 1999-949806	19990922
EP 1130962	B1	20040121		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9913922	A	20020423	BR 1999-13922	19990922
JP 2002525291	T2	20020813	JP 2000-571755	19990922
NZ 510741	A	20030829	NZ 1999-510741	19990922
AT 258009	E	20040215	AT 1999-949806	19990922
RU 2224434	C2	20040227	RU 2001-111328	19990922
PT 1130962	T	20040430	PT 1999-949806	19990922
ES 2214890	T3	20040916	ES 1999-949806	19990922
ZA 2001002411	A	20020325	ZA 2001-2411	20010323
PRIORITY APPLN. INFO.:			US 1998-160856 A	19980925
			WO 1999-US22046 W	19990922

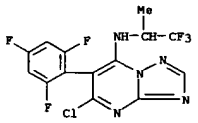
OTHER SOURCE(S): MARPAT 132:233051

AB The invention relates to a nonaq., stable suspension concentrate which comprises 50-400 g/L pesticide(s), 50-700 g/L adjuvant(s), 75-500 g/L organic solvent(s), 5-150 g/L nonionic dispersant(s) and/or ≥150 g/L anionic dispersant(s) and, optionally, ≥100 g/L thickener(s). Prefered pesticides are triazolopyrimidine derivative fungicides (Markush given).

IT **214633-94-0**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(nonaq. suspension concentrate of)

RN 214633-94-0 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 143 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

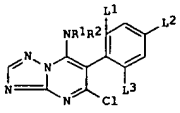
L5 ANSWER 144 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:209602 CAPLUS
DOCUMENT NUMBER: 132:218331
TITLE: Synergistic fungicidal mixtures
INVENTOR(S): Cotter, Henry Van Tuyl; May, Leslie Francis; Reichert, Gunter; Sieverding, Ewald
PATENT ASSIGNEE(S): American Cyanamid Company, USA; BASF Aktiengesellschaft
SOURCE: Eur. Pat. Appl., 334 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 988790	A1	20000329	EP 1999-307521	19990923
EP 988790	B1	20030521		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 240648	E	20030615	AT 1999-307521	19990923
PT 988790	T	20031031	PT 1999-307521	19990923
ES 2203021	T3	20040401	ES 1999-307521	19990923
PRIORITY APPLN. INFO.:			US 1998-160310 A	19980925

OTHER SOURCE(S): MARPAT 132:218331

GI



I

AB The title fungicidal compns. comprise an azolopyrimidine derivative I (R1 = alkyl, alkenyl or haloalkyl; R2 = H or alkyl; R1R2 = alkylene; L1 = halo; L2, L3 = H or halo) and benomyl, carboxin, captan, chlorothalonil, copper oxychloride, cyprodinil, dimethomorph, dithianon, dodine, famoxadone, fenhexamid, fenpiclonil, fenpropimorph, fluazinam, mancozeb, metalaxyl, pyrimethanil, quinoxifen, sulfur, triforine, vinclozolin, a fungicidal triazole derivative, or a synthetic strobilurine derivative

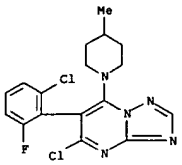
IT **261516-01-2**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicidal composition)

RN 261516-01-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)-, mixt. with rel-(2R,6S)-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine (9CI) (CA INDEX NAME)

CM 1

CRN 187233-48-3
CMF C17 H16 Cl2 F N5

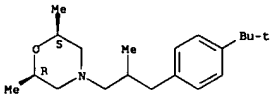
L5 ANSWER 144 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 67564-91-4
CMF C20 H33 N O

Relative stereochemistry.



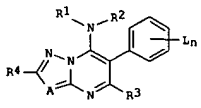
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 145 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:201137 CAPLUS
DOCUMENT NUMBER: 132:233022
TITLE: Synergistic fungicidal mixtures containing azolopyrimidines and melanin biosynthesis inhibitors
INVENTOR(S): Ziefelding, Ebert; May, Leslie
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000086412	A2	20000328	JP 1999-250142	19990903
MX 9908084	A	20001031	MX 1999-8084	19990902
KR 2000022933	A	20000425	KR 1999-37680	19990906
BR 9904095	A	20000926	BR 1999-4095	19990909
CN 1247025	A	20000315	CN 1999-118592	19990910
TW 575400	B	20040211	TW 1999-88115558	19990910
PRIORITY APPLN. INFO.:			US 1998-150557 A	19980910
OTHER SOURCE(S):	MARPAT 132:233022			

GI



I

AB Microbicides that are used to control plant pathogens comprise synergistically effective amts. of ≥1 azolopyrimidine (I ; R1, R2 = H, (un)substituted alkyl, alkenyl, (hetero)aryl, (bi)cycloalkyl, etc., or R1 and R2 may form a part of a ring; R3 = H, halo, alkyl; R4 = H, alkyl, or aryl; L = halo, (un)substituted alkyl, alkoxy; A = N, CR5; R5 has the same meanings as R4; n = 0-5), ≥1 melanin biosynthesis inhibitor (MBI), and allowable carriers and/or surfactants. Thus, a mixture of 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperid-1-yl)-[1,2,4]triazol[1,5-a]pyrimidine and N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propionamide synergistically controlled Pyricularia oryzae in rice.

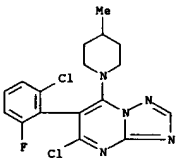
IT **261967-28-6**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); **BIOL (Biological study)**; USES (Uses)
(synergistic fungicide for controlling plant pathogens)

RN 261967-28-6 CAPLUS
CN Propanamide, N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)-, mixt. with 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

L5 ANSWER 145 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

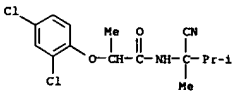
CM 1

CRN 187233-48-3
CMF C17 H16 Cl2 F N5



CM 2

CRN 115852-48-7
CMF C15 H18 Cl2 N2 O2

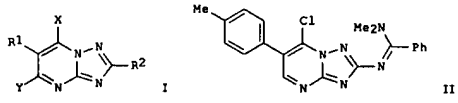


L5 ANSWER 146 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:133681 CAPLUS
DOCUMENT NUMBER: 132:166251
TITLE: Preparation of triazolopyrimidines as fungicides
INVENTOR(S): Kitagawa, Yoshinori; Ishikawa, Koichi; Sawada, Haruko; Kinbara, Taro
PATENT ASSIGNEE(S): Nihon Bayer Agrochem K.K., Japan
SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000009508	A1	20000224	WO 1999-IB1421	19990811
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000119274	A2	20000425	JP 1998-377606	19981228
AU 9950610	A1	20000306	AU 1999-50610	19990811
PRIORITY APPLN. INFO.:			JP 1998-241149 A	19980813
			JP 1998-377606 A	19981228
			WO 1999-IB1421 W	19990811
OTHER SOURCE(S):	MARPAT 132:166251			

GI



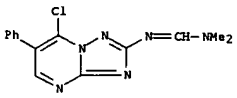
I II

AB The title compds. [I; X = halo; Y = H, halo; R1 = (un)substituted Ph, naphthyl; R2 = N:C(R3)NR4R5 (wherein R3 = H, Ph; R4, R5 = alkyl, Ph; NR4R5 = (un)substituted 5-6 membered aliphatic heterocyclic ring which may contain 1-2 heteroatoms selected from N and O atoms)], useful as agrochem. fungicides, were prepared Thus, reacting 2-amino-6-(4-methylphenyl)[1,2,4]triazolo-[1,5-a]pyrimidin-5-ol with POCl3 and N,N-dimethylbenzamide afforded the title triazolopyrimidine II. Biol. data for compds. I were given.

IT **259085-87-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of triazolopyrimidines as fungicides)

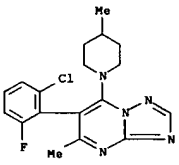
RN 259085-87-5 CAPLUS
CN Methanimidamide, N'-(7-chloro-6-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-

L5 ANSWER 146 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
yl)-N,N-dimethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 147 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 147 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:761522 CAPLUS
DOCUMENT NUMBER: 131:351347
TITLE: Preparation of fungicidal 5-alkyl-triazolopyrimidines
INVENTOR(S): Pfrengle, Waldemar
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5994360	A	19991130	US 1998-115496	19980714
PRIORITY APPLN. INFO.:			US 1997-52407P P	19970714
OTHER SOURCE(S):	MARPAT 131:351347			

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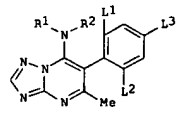

I

AB The title compds. [I; NR1R2 = piperidino, 4-methylpiperidino; L1-L3 = H, F, Cl (at least one of which being F or Cl)] which show selective fungicidal activity, were prepared Thus, reacting 6-(2-chloro-6-fluorophenyl)-5-chloro-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidine with di-Et malonate in the presence of NaH in MeCN followed by treatment of the resulting di-Et [6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidin-yl]malonate with concentrate HCl afforded I [R1R2 = (CH2)2CH(Me)(CH2)2; L1 = Cl; L2 = F; L3 = H] which showed ED50 > 90 at 0.2 mg/mL in test with Alternaria solani.

IT **220482-07-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fungicidal 5-alkyl-triazolopyrimidines)

RN 220482-07-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 148 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:733059 CAPLUS
DOCUMENT NUMBER: 131:337031
TITLE: Fungicidal [[(trifluoromethyl)alkyl]amino]triazolopyrimidines and their preparation
INVENTOR(S): Pfrengle, Waldemar; Fees, Klaus-Juergen; Albert, Guido; Carter, Paul; Rehnig, Annerose; Van Tuyl Cotter, Henry
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5986135	A	19991116	US 1998-160894	19980925
ZA 9905673	A	20000330	ZA 1999-5673	19990902
JP 2000119275	A2	20000425	JP 1999-265647	19990920
KR 2000023437	A	20000425	KR 1999-41162	19990922
EP 989130	A1	20000329	EP 1999-307522	19990923
EP 989130	B1	20040825		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9904354	A	20000912	BR 1999-4354	19990923
AT 274516	E	20040915	AT 1999-307522	19990923
EP 1468984	A1	20041020	EP 2004-13958	19990923
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
TW 225061	B1	20041211	TW 1999-88116397	19990923
PT 989130	T	20041231	PT 1999-307522	19990923
ES 2227975	T3	20050401	ES 1999-307522	19990923
CN 1250052	A	20000412	CN 1999-120740	19990924
US 6204269	B1	20010320	US 1999-406574	19990924
PRIORITY APPLN. INFO.:			US 1998-160894 A	19980925
			EP 1999-307522 A3	19990923
OTHER SOURCE(S):	MARPAT 131:337031			

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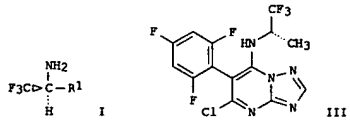


I III

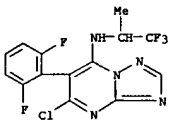
AB An improved process for the preparation of (S)-1,1,1-trifluoroalkyl-2-amines I is disclosed [wherein R1 = C1-6 alkyl]. (S)-I are prepared from the corresponding racemic mixts., which process includes treating 1 part by mole of the racemic mixture with approx. 0.3 to 0.7 part by mole of D-(-)-tartaric acid in the presence of an inert solvent. The method is

L5 ANSWER 148 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
particularly applicable in the prodn. of intermediates for certain fungicidal triazolopyrimidine derivs. For instance, treatment of racemic CF3CH(NH2)CH3 (II) with D-(-)-tartaric acid in MeOH, followed by heating, cooling, filtration of product, drying, and 2 recrystns., gave (S)-II D-(-)-tartrate with > 85% enantiomeric excess (ee). This was converted to the free amine (S)-II with 50% aq. NaOH. Condensation of the free amine with 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine in CH2Cl2 gave after recrystn. title compd. (S)-III with > 98% ee. This enantiomer of III was more potent than racemic III against apple scab, both curatively and prophylactically.

IT **214633-93-9**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); **BIOL (Biological study)**; **BIOL (Biological study)**
(racemic comparison compound; preparation of optically active fungicidal [[(trifluoromethyl)alkyl]amino]triazolopyrimidines)

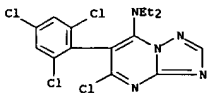
RN 214633-93-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluorophenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 149 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



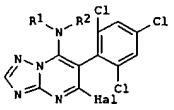
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 149 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:731774 CAPLUS
DOCUMENT NUMBER: 131:337030
TITLE: Preparation of fungicidal trichlorophenyl-triazolopyrimidines
INVENTOR(S): Pees, Klaus-Juergen
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5985883	A	19991116	US 1998-160568	19980925
JP 2000103790	A2	20000411	JP 1999-257239	19990910
FR 2784381	A1	20000414	FR 1999-11675	19990917
FR 2784381	B1	20031121		
US 6242451	B1	20010605	US 1999-405413	19990924
PRIORITY APPLN. INFO.:			US 1998-101764P P	19980925
			US 1998-160568 A	19980925
			US 1998-161087 A	19980925

OTHER SOURCE(S): MARPAT 131:337030
GI



I

AB The title compds. [I; R1 = alkyl, haloalkyl, alkenyl, etc.; NR1R2 = (un)substituted heterocyclyl with 5-6 carbon atoms; Hal = halo] which show selective fungicidal activity, in particular against rice blast disease, were prepared Thus, reaction of Et2NH with 5,7-dichloro-6-(2,4,6-trichlorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine (preparation given) in the presence of Et3N in CH2Cl2 afforded I [R1 = R2 = Et; Hal= Cl] which showed MIC of 0.10 μg/mL in the Serial Dilution Test with Pyricularia grisea f. sp. Oryzae.

IT **249890-96-8P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fungicidal trichlorophenyl-triazolopyrimidines)

RN 249890-96-8 CAPLUS

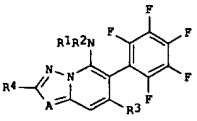
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N,N-diethyl-6-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 150 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:655947 CAPLUS
DOCUMENT NUMBER: 131:257580
TITLE: Preparation of pentafluorophenyltriazolopyrimidines as agrochemical fungicides.
INVENTOR(S): Pees, Klaus Jurgen; Liers, Peter; Karla, Cornelia
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 10 pp., Cont.-in-part of U.S. 5,817,663.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5965561	A	19991012	US 1998-53808	19980402
US 5817663	A	19981006	US 1996-729704	19961007
CN 1178792	A	19980415	CN 1997-119259	19970925
JP 10152489	A2	19980609	JP 1997-284246	19971002
AT 221069	E	20020815	AT 1997-307813	19971003
GB 2355261	A1	20010418	GB 1999-24253	19991013
PRIORITY APPLN. INFO.:			US 1996-729704 A2	19961007

OTHER SOURCE(S): MARPAT 131:257580
GI



I

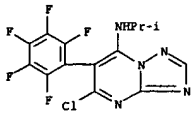
AB Title compds. [I; R1, R2, R5, R6 = H, (substituted) alkyl, alkenyl, alkynyl, alkadienyl, aryl, bicycloalkyl, heterocyclyl; NR1R2 = (substituted) heterocyclyl; R3 = halo, NR5R6; R4, R7 = H, alkyl, aryl; A = N, CR7], were prepared Thus, di-Et pentafluorophenylmalonate (preparation given) was heated with Bu3N and 2-amino-1,2,4-triazole at 180° to give 5,7-dihydroxy-6-pentafluorophenyl-1,2,4-triazolo[1,5-a]pyrimidine. This was refluxed with POCl3 for 4 h to give 5,7-dichloro-6-pentafluorophenyl-1,2,4-triazolo[1,5-a]pyrimidine. The latter was stirred with Me2CHNH2 and Et3N in CH2Cl2 to give 5-chloro-7-isopropylamino-6-pentafluorophenyl-1,2,4-triazolo[1,5-a]pyrimidine. I showed min. inhibitory concns. of 0.2-125 mg/mL against Alternaria solani.

IT **205253-09-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of pentafluorophenyltriazolopyrimidines as agrochem. fungicides)

RN 205253-09-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methylethyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 150 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

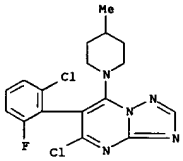


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 151 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:636063 CAPLUS
DOCUMENT NUMBER: 131:224874
TITLE: Adjuvants for enhancement of the efficacy of triazolopyrimidine derivative fungicides
INVENTOR(S): Aven, Michael; Van Tuyl Cotter, Henry; May, Leslie
PATENT ASSIGNEE(S): American Cyanamid Co., USA; BASF Aktiengesellschaft
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 943241	A1	19990922	EP 1999-301958	19990315
EP 943241	B1	20030625		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11322517	A2	19991124	JP 1999-66775	19990312
AT 243420	E	20030715	AT 1999-301958	19990315
PT 943241	T	20031128	PT 1999-301958	19990315
ES 2203011	T3	20040401	ES 1999-301958	19990315

PRIORITY APPLN. INFO.: US 1998-42968 A 19980317
OTHER SOURCE(S): MARPAT 131:224874
AB Adjuvants selected from liquid polyalkoxylated aliphatic alcs., solid sodium hydrocarbyl sulfonates and polyalkoxylated trisiloxanes enhance the efficacy of fungicidal triazolopyrimidines. They can be incorporated into formulations of the fungicidal compds. or be added to spray mixts. (tank mix) as sep. formulated additives in order to improve the efficacy, systemicity and spectrum of these fungicides.
IT **187233-48-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(adjuvants for enhancement of fungicidal activity of)
RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 152 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:626195 CAPLUS
DOCUMENT NUMBER: 131:228731
TITLE: Preparation of 6-(2-halo-4-alkoxyphenyl-triazolopyrimidines as agrochemical fungicides.
INVENTOR(S): Pfrengle, Waldemar
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9948893	A1	19990930	WO 1999-US5915	19990319
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
WO 9846608	A1	19981022	WO 1998-US5615	19980323
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5981534	A	19991109	US 1998-160899	19980925
CA 2324154	AA	19990930	CA 1999-2324154	19990319
AU 9930985	A1	19991018	AU 1999-30985	19990319
AU 752669	B2	20020926		
BR 9909009	A	20001128	BR 1999-9009	19990319
EP 1066291	A1	20010110	EP 1999-912660	19990319
EP 1066291	B1	20050713		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
NZ 506912	A	20030328	NZ 1999-506912	19990319
JP 2003522100	T2	20030722	JP 2000-537876	19990319
AT 299505	E	20050715	AT 1999-912660	19990319
PT 1066291	T	20051031	PT 1999-912660	19990319

PRIORITY APPLN. INFO.: WO 1998-US5615 W 19980323
US 1998-160899 A 19980925
US 1997-843323 A 19970414
US 1998-150572 A 19980910
WO 1999-US5915 W 19990319
OTHER SOURCE(S): MARPAT 131:228731
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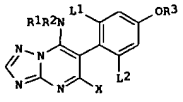
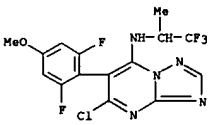
L5 ANSWER 152 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I

AB Title compds. [I; R1, R2 = H, (substituted) alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, heterocyclyl; R1R2N = (substituted) heterocyclyl; R3 = alkyl, alkenyl, alkynyl, phenylalkyl, alkoxyalkyl, polyalkoxyalkyl, Ph, haloalkyl; L1 = H, F, Cl; L2 = F, Cl; X = halo], were prepared Thus, 4-methylpiperidine, Et3N, and 5,7-dichloro-(2,6-difluoro-4-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine (preparation given) were stirred 16 h to give 5-chloro-(2,6-difluoro-4-methoxyphenyl)-7-(4-methylpiperid-1-yl)-1,2,4-triazolo[1,5-a]pyrimidine. The latter showed a min. inhibitory concentration of <0.05 μg/mL against Alternaria solani.
IT **214634-49-8P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of 6-(2-halo-4-alkoxyphenyl-triazolopyrimidines as agrochem. fungicides)
RN 214634-49-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2,6-difluoro-4-methoxyphenyl)-N-(2,2,2-trifluoro-1-methylethyl)- (9CI) (CA INDEX NAME)

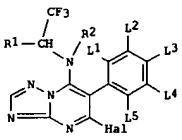


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 153 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:571812 CAPLUS
DOCUMENT NUMBER: 131:181114
TITLE: Preparation of fungicidal trifluoromethylalkylaminotriazolopyrimidine derivatives.
INVENTOR(S): Pees, Klaus-Juergen; Krummel, Guenter; Van Tuyl Cotter, Henry; Albert, Guido; Rehnig, Annerose; May, Leslie; Pfrengle, Waldemar
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 10 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5948783	A	19990907	US 1998-54580	19980403
PRIORITY APPLN. INFO.:			US 1997-43820P P	19970414

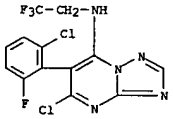
OTHER SOURCE(S): MARPAT 131:181114
GI



I

AB The trifluoromethylalkylaminotriazolopyrimidine derivs. I (R1 = H or Me; R2 = H, alkyl or alkynyl; Hal = Cl or Br; L1-5 = H or halo) are prepared as fungicides.
IT **214633-87-1P**
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation as fungicide)
RN 214633-87-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 153 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



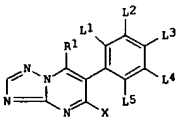
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 154 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:529149 CAPLUS
DOCUMENT NUMBER: 131:170358
TITLE: Preparation of 7-alkyltriazolopyrimidines as selective agrochemical fungicides
INVENTOR(S): Pfrengle, Waldemar; Pees, Klaus-Juergen; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941255	A1	19990819	WO 1999-US2808	19990209
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6020338	A	20000201	US 1999-243851	19990203
CA 2320304	AA	19990819	CA 1999-2320304	19990209
AU 9925952	A1	19990830	AU 1999-25952	19990209
AU 750489	B2	20020718		
BR 9907863	A	20001024	BR 1999-7863	19990209
EP 1054888	A1	20001129	EP 1999-905905	19990209
EP 1054888	B1	20031126		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI, RO				
JP 2002503664	T2	20020205	JP 2000-531448	19990209
JP 3423290	B2	20030707		
NZ 506247	A	20030328	NZ 1999-506247	19990209
CN 1114606	B	20030716	CN 1999-803937	19990209
EP 1359150	A2	20031105	EP 2003-16679	19990209
EP 1359150	A3	20031119		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI, RO				
AT 255110	E	20031215	AT 1999-905905	19990209
CZ 292964	B6	20040114	CZ 2000-2933	19990209
PT 1054888	T	20040227	PT 1999-905905	19990209
ES 2212527	T3	20040716	ES 1999-905905	19990209
PRIORITY APPLN. INFO.:			US 1998-22288 A	19980211
			US 1999-243851 A	19990203
			EP 1999-905905 A3	19990209
			WO 1999-US2808 W	19990209

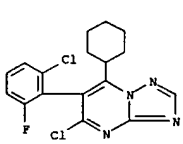
OTHER SOURCE(S): MARPAT 131:170358
GI

L5 ANSWER 154 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I

AB The title compds. [I; R1 = (un)substituted alk(en)yl, alkynyl, alkadienyl, aryl, or cycloalk(en)yl in which 1 CH2 group may be replaced by O, S or NR2; R2 = H, alkyl; X = H, halo, OH, (halo)alkoxy, aryloxy, cyano, amino, etc.; L1-L5 = H, halo, (un)substituted alkyl, (un)substituted alkoxy, NO2, cyano] were prepared. The new compds. are processed with carriers and, optionally, adjuvants, to afford fungicidal comps., useful in agricultural applications. For example, suspending 0.96 g Cu iodide in 25 mL THF under inert atmospheric, cooling the suspension to -70°, adding 5 mL of n-hexyllithium solution (2 M, in hexanes), stirring the mixture for 45 min, adding a solution of 1.6 g 5,7-dichloro-6-(2-chloro-6-fluorophenyl)-1,2,4-triazolo[1,5a]pyrimidine in 10 mL THF, and stirring the whole for 15 min at -70° gave 0.75 g 5-chloro-7-n-hexyl-6-(2-chloro-6-fluorophenyl)-1,2,4-triazolo[1,5a]pyrimidine (m. 55-57°) which inhibited mycelial growth of Leptosphaeria nodorum with MIC 12.5 μg/mL. Emulsion and suspension concentrate, wettable powder and H2O-dispersible granule formulations containing I (R1 = cyclohexyl, L1 = L3 = L5 = F, L2 = L4 = H, X = Cl) were given.
IT **238744-04-2P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of 7-alkyltriazolopyrimidines as selective agrochem. fungicides)
RN 238744-04-2 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-cyclohexyl- (9CI) (CA INDEX NAME)

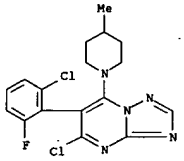


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 155 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:505744 CAPLUS
DOCUMENT NUMBER: 131:126721
TITLE: Emulsifiable pesticide concentrate
INVENTOR(S): Aven, Michael; Cotter, Henry Van Tuyl
PATENT ASSIGNEE(S): American Cyanamid Company, USA; BASF Aktiengesellschaft
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 933025	A1	19990804	EP 1999-300333	19990119
EP 933025	B1	20040804		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9900060	A	20000321	BR 1999-60	19990114
JP 11269006	A2	19991005	JP 1999-9174	19990118
AT 272313	E	20040815	AT 1999-300333	19990119
PT 933025	T	20041231	PT 1999-300333	19990119
ES 2226279	T3	20050316	ES 1999-300333	19990119
PRIORITY APPLN. INFO.:			US 1998-8819 A	19980120
			US 1998-8952 A	19980120

OTHER SOURCE(S): MARPAT 131:126721
AB The title concentrate contains at least one pesticide, especially a fungicide or herbicide, a solvent which consists of one or more esters of plant oils, a cosolvent selected from water-miscible polar aprotic solvents, and an emulsifying surfactant system, forming an oil in water emulsion when the formulation is added to water.
IT **187233-48-3**
RL: AGR (Agricultural use); **BIOL (Biological study)**; USES (Uses)
(emulsifiable concentrate of)
RN 187233-48-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-chloro-6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)

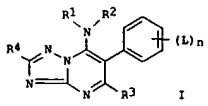


REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

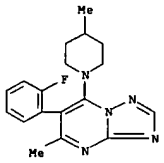
L5 ANSWER 156 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:106975 CAPLUS
DOCUMENT NUMBER: 130:168390
TITLE: Preparation of 5-alkyltriazolopyrimidines, and agrochemical bactericidal and fungicidal compositions containing them
INVENTOR(S): Pfrengle, Waldermar Franz Augustin
PATENT ASSIGNEE(S): American Cyanamid Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11035581	A2	19990209	JP 1998-208531	19980709
FR 2765875	A1	19990115	FR 1998-8423	19980701
FR 2765875	B1	19991119		
PRIORITY APPLN. INFO.:			US 1997-892495 A	19970714

OTHER SOURCE(S): MARPAT 130:168390
GI



AB The title compds. I [R1 = (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R1NR2 may form (un)substituted heterocyclyl; R3 = alkyl; R4 = H, alkyl, aryl; L = halo, (un)substituted alkyl, alkoxy; A = N, CR5; R5 = similar group as shown in R4; n = 0-5] are claimed. I (R1, R2, R4, A, L, n = same as above; R3 = Me) are prepared by treatment of 5-haloazopyrimidines I (R1, R2, R4, A, L, n = same as above; R3 = halo) with alkyl malonate in the presence of bases, then heating the resulting modified malonate esters with acids. I [R1NR2 = 4-methylpiperidin-1-yl, R3 = CH(CO2Et)2, R4 = H, A = N, Ln = 2-Cl, 6-F] (0.5 g) was treated with concentrated HCl at 80° for 24 h to give 0.27 g I (R1NR2, R4, A, Ln = same as above, R3 = Me), which showed strong antimicrobial activities.
IT **220482-08-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); **BIOL (Biological study)**; **BIOL (Biological study)**; USES (Uses)
(preparation of 5-alkyltriazolopyrimidines as agrochem. bactericides and fungicides)
RN 220482-08-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 157 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:708827 CAPLUS
DOCUMENT NUMBER: 129:302657
TITLE: Preparation of fungicidal [trifluoromethyl(alkyl)amino]triazolopyrimidines
INVENTOR(S): Pees, Klaus-Juergen; Krummel, Guenter; Van Tuyl Cotter, Henry; Rehnig, Annerose; May, Leslie; Pfrengle, Waldemar; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9846608	A1	19981022	WO 1998-US5615	19980323
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
TW 460476	B	20011021	TW 1998-87103847	19980316
CA 2287470	AA	19981022	CA 1998-2287470	19980323
AU 9868671	A1	19981111	AU 1998-68671	19980323
AU 735730	B2	20010712		
EP 975635	A1	20000202	EP 1998-914274	19980323
EP 975635	B1	20030507		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 9902552	T2	20000522	TR 1999-9902552	19980323
BR 9808531	A	20000523	BR 1998-8531	19980323
EE 9900486	A	20000615	EE 1999-486	19980323
EE 4373	B1	20041015		
NZ 500143	A	20010629	NZ 1998-500143	19980323
JP 2001520650	T2	20011030	JP 1998-543913	19980323
SK 283232	B6	20030401	SK 1999-1414	19980323
CN 1104433	B	20030402	CN 1998-805241	19980323
AT 239727	E	20030515	AT 1998-914274	19980323
IL 132238	A1	20030529	IL 1998-132238	19980323
PT 975635	T	20030930	PT 1998-914274	19980323
CZ 292819	B6	20031217	CZ 1999-3596	19980323
ES 2199436	T3	20040216	ES 1998-914274	19980323
ZA 9803054	A	19991011	ZA 1998-3054	19980409
EP 945453	A1	19990929	EP 1999-301910	19990312
EP 945453	B1	20021120		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 228133	E	20021215	AT 1999-301910	19990312
PT 945453	T	20030331	PT 1999-301910	19990312
ES 2188094	T3	20030616	ES 1999-301910	19990312
JP 11322750	A2	19991124	JP 1999-73820	19990318

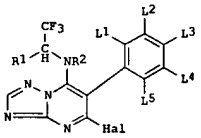
L5 ANSWER 157 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CA 2324154	AA	19990930	CA 1999-2324154	19990319
WO 9948893	A1	19990930	WO 1999-US5915	19990319
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9930985	A1	19991018	AU 1999-30985	19990319
AU 752669	B2	20020926		
BR 9909009	A	20001128	BR 1999-9009	19990319
EP 1066291	A1	20010110	EP 1999-912660	19990319
EP 1066291	B1	20050713		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
US 6284762	B1	20010904	US 1999-272917	19990319
NZ 506912	A	20030328	NZ 1999-506912	19990319
CZ 291765	B6	20030514	CZ 2000-3472	19990319
JP 2003522100	T2	20030722	JP 2000-537876	19990319
CN 1528762	A	20040915	CN 2004-10005450	19990319
AT 299505	E	20050715	AT 1999-912660	19990319
EP 1574513	A1	20050914	EP 2005-8310	19990319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI				
ES 2244183	T3	20051201	ES 1999-912660	19990319
MX 9909299	A	20000331	MX 1999-9299	19991011
NO 9904973	A	19991013	NO 1999-4973	19991013
NO 313416	B1	20020930		
BG 64197	B1	20040430	BG 1999-103805	19991013
ZA 2000005867	A	20011022	ZA 2000-5867	20001020
CZ 292092	B6	20030716	CZ 2002-2218	20020624

PRIORITY APPLN. INFO.:

US 1997-843323	A	19970414
US 1998-150572	A	19980910
WO 1998-US5615	W	19980323
US 1998-101768P	P	19980925
US 1998-160899	A	19980925
EP 1999-912660	A3	19990319
WO 1999-US5915	W	19990319

OTHER SOURCE(S): MARPAT 129:302657
GI



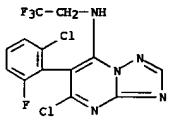
I

L5 ANSWER 157 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB The title compds. [I; R1, R2 = H, (un)substituted alk(en)yl, alkynyl, alkadienyl or Ph; Hal = halo; L1-L5 = H, halo, alkyl, alkoxy, NO2], fungicides with selective activity, were prepared by amination of 5,7-dihalo-6-phenyltriazolopyrimidines with trifluoroalkylamines. The new compds. are processed with carriers and adjuvants to fungicidal compns. For example, a stirred mixture of 1.4 mmol 5,7-dichloro-6-(2-chloro-6-fluorophenyl)-1,2,4-triazolo[1.5a]pyrimidine with 30 mL CH2Cl2 was treated with a mixture of 4.2 mmol CF3CH2NH2 and 10 mL CH2Cl2 and the whole was stirred for 16 h at ambient temperature to give I (R2 = L2 = L3 = L4 = H, L5 = F) (II; R1 = H, L1 = Cl). II (R1 = Me, L1 = F) (III) inhibited mycelial growth of Alternaria solani and Rhizoctonia solani with MIC 0.78 and 3.13 mg/mL, resp. Emulsion and suspension concentrate, wettable powder and H2O-dispersible granule formulations containing III were given.

IT **214633-87-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation of fungicidal [trifluoromethyl(alkyl)amino]triazolopyrimidines)

RN 214633-87-1 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 158 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

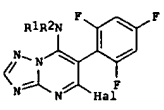
ACCESSION NUMBER: 1998:708826 CAPLUS
DOCUMENT NUMBER: 129:316233
TITLE: Preparation of fungicidal (trifluorophenyl)triazolopyrimidines
INVENTOR(S): Pees, Klaus-jurgen; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9846607	A1	19981022	WO 1998-US5614	19980323
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9865768	A1	19981111	AU 1998-65768	19980323
EP 975634	A1	20000202	EP 1998-911927	19980323
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
AT 202779	E	20010715	AT 1998-911927	19980323
ES 2160408	T3	20011101	ES 1998-911927	19980323
PT 975634	T	20011228	PT 1998-911927	19980323
ZA 9803055	A	19991011	ZA 1998-3055	19980409
GR 3036714	T3	20011231	GR 2001-401571	20010926

PRIORITY APPLN. INFO.:

US 1997-843322	A	19970414
WO 1998-US5614	W	19980323

OTHER SOURCE(S): MARPAT 129:316233
GI

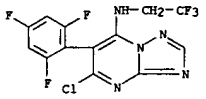


I

AB I (R1, R2 = H, alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, aryl, heteroaryl, cycloalkyl, bicycloalkyl, heterocyclyl; R1NR2 = heterocyclic ring; Hal = halo), which show agricultural fungicidal activity, were prepared E.g., reaction of 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-a]pyrimidine and Et2NH gave 5-chloro-6-(2,4,6-trifluorophenyl)-7-diethylamino-1,2,4-triazolo[1,5-a]pyrimidine. The effectiveness of I as agricultural fungicides was tested.

IT **214633-89-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic

L5 ANSWER 158 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(prepn. of fungicidal (trifluorophenyl)triazolopyrimidines)
RN 214633-89-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(2,2,2-trifluoroethyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

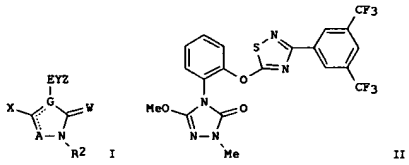
L5 ANSWER 159 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:385479 CAPLUS
DOCUMENT NUMBER: 129:54375
TITLE: Arthropodicidal and fungicidal cyclic amides [triazolones] and their preparation, use, and compositions
INVENTOR(S): Brown, Richard James; Chan, Dominic Ming-Tak; Howard, Michael Henry, Jr.; Daniel, Dilon Jancey; Clark, David Alan; Selby, Thomas Paul
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
SOURCE: PCT Int. Appl., 232 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9823155	A1	19980604	WO 1996-US18916	19961126
W: JP, KR				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
ZA 9709943	A	19990505	ZA 1997-9943	19971105
WO 9823156	A1	19980604	WO 1997-US21944	19971125
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9854633	A1	19980622	AU 1998-54633	19971125
EP 944314	A1	19990929	EP 1997-948597	19971125
R: CH, DE, DK, ES, FR, GB, IT, LI, NL, IE				
BR 9713415	A	20000418	BR 1997-13415	19971125
JP 2001506984	T2	20010529	JP 1998-524889	19971125
MX 9904789	A	20000131	MX 1999-4789	19990524
KR 2000057254	A	20000915	KR 1999-704639	19990526

PRIORITY APPLN. INFO.:			
	WO 1996-US18916	A	19961126
	US 1996-33614P	P	19961219
	US 1997-48844P	P	19970606
	WO 1997-US21944	W	19971125

OTHER SOURCE(S): MARPAT 129:54375
GI

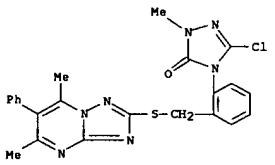
L5 ANSWER 159 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



I II

AB Title compds. I and their N-oxides and agriculturally suitable salts are disclosed [wherein E = (un)substituted 1,2-phenylene, naphthalene or heterocyclyl; A = O, S, N, NR3 or CR4; G = C or N; when G is C, then A is O, S or NR3 and the floating double bond is attached to G; and when G is N, than A is N or CR4 and the floating double bond is attached to A; W = O, S, NH, N(C1-C6 alkyl) or NO(C1-C6 alkyl); X = H, OR1; SOmR1, halo, C1-C6 alkyl, C1-C6 haloalkyl, C3-C6 cycloalkyl, cyano, NH2, NHR1, N(C1-C6 alkyl)R1, NH(C1-C6 alkoxy) or N(C1-C6 alkoxy)R1; R2 = H, C1-C6 alkyl, C1-C6 haloalkyl, C2-C6 haloalkyl, C2-C6 alkenyl, C2-C6 haloalkenyl, C2-C6 alkynyl, C2-C6 haloalkynyl, C3-C6 cycloalkyl, C2-C4 alkylcarbonyl, C2-C6 alkoxycarbonyl, hydroxy, C1-C2 alkoxy, or acetyloxy; R1= (halo)alkyl, (halo)alkenyl, etc.; R3= H, (halo)alkyl, etc.; Y = O, CO, SO, etc.; Z = (un)substituted alkyl, alkenyl or alkynyl, R4 = H, halo, alkyl, etc.; m = 0, 1 or 2]. Claims cover methods of arthropod and fungal control, novel compds., arthropodicidal and fungicidal compns., and novel intermediates. Approx. 1000 invention compds. were prepared For instance, 5-chloro-2,4-dihydro-4-(2-methoxyphenyl)-2-methyl-3H-1,2,4-triazol-3-one (preparation given) underwent a sequence of cleavage of the Me ether with BBr3, methoxylation of the chloride with NaOMe, and etherification of the phenolic hydroxy group with 5-chloro-3-(3,5-bis(trifluoromethyl)phenyl]-1,2,4-thiadiazole, to give title compound II. Selected I were active in screens against Erysiphe graminis, Pyricularia oryzae, Spodoptera frugiperda, Tetranychus urticae, and a variety of other standard pests.
IT **186978-67-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation as arthropodicide and fungicide)
RN 186978-67-6 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 5-chloro-4-[2-[[(5,7-dimethyl-6-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)thio]methyl]phenyl]-2,4-dihydro-2-methyl- (9CI) (CA INDEX NAME)

L5 ANSWER 159 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

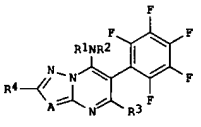


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 160 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:228997 CAPLUS
DOCUMENT NUMBER: 128:257444
TITLE: Preparation of pentafluorophenylazolopyrimidines as fungicides
INVENTOR(S): Pees, Klaus-juergen; Liers, Peter; Karla, Cornelia
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 834513	A2	19980408	EP 1997-307813	19971003
EP 834513	A3	19980603		
EP 834513	B1	20020724		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 5817663	A	19981006	US 1996-729704	19961007
CN 1178792	A	19980415	CN 1997-119259	19970925
JP 10152489	A2	19980609	JP 1997-284246	19971002
AT 221069	E	20020815	AT 1997-307813	19971003
GB 2355261	A1	20010418	GB 1999-24253	19991013
PRIORITY APPLN. INFO.:			US 1996-729704 A	19961007

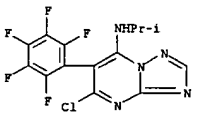
OTHER SOURCE(S): CASREACT 128:257444; MARPAT 128:257444
GI



I

AB The title compds. [I; R1, R2 = H, (un)substituted alkyl, alkenyl, etc.; R1R2 with the adjacent nitrogen atom = (un)substituted heterocyclyl; R3 = H, halo, NR5R5 (wherein R5, R6 = R1, R2); R4 = H, alkyl, aryl; A = N, CR7 (R7 = R4)] which show selective fungicidal activity, were prepared Thus, reaction of di-Et malonate with C6F6 in the presence of K2CO3 in DMF followed by treatment of the resulting di-Et pentafluorophenylmalonate with 2-amino-1,2,4-triazole in the presence of Bu3N at 180°, halogenation of 5,7-dihydroxy-6-pentafluorophenyl-1,2,4-triazolo[1,5-a]pyrimidine with POCl3, and reaction of 5,7-dichloro-6-pentafluorophenyl-1,2,4-triazolo[1,5-a]pyrimidine with iPrNH2 in the presence of Et3N in CH2Cl2 afforded I [R1 = H; R2 = iPr; R3 = Cl; R4 = H; A = N] which showed, e.g., MIC of 1.56 against Pyrenophora teres.
IT **205253-09-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic

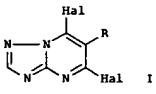
L5 ANSWER 160 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(prepn. of pentafluorophenylazolopyrimidines as fungicides)
RN 205253-09-4 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-(1-methylethyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 161 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:234523 CAPLUS
DOCUMENT NUMBER: 126:234733
TITLE: Preparation of dihalotriazolopyrimidine derivatives as fungicides
INVENTOR(S): Becher, Heinz-manfred; Pees, Klaus-jurgen
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij BV, Neth.
SOURCE: U.S., 9 pp., Cont. of U.S. Ser. No. 424,535.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

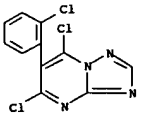
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5612345	A	19970318	US 1995-464349	19950605
US 5854252	A	19981229	US 1995-424535	19950828
PRIORITY APPLN. INFO.:			US 1995-424535 A1	19950828
			EP 1993-103464 A	19930304
			WO 1994-EP635 W	19940303

OTHER SOURCE(S): MARPAT 126:234733
GI



I

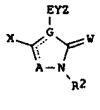
AB The dihalotriazolopyrimidine derivs. I [R = (un)substituted alkyl, alkoxy, cycloalkyl, aryl, aryloxy or heterocyclyl; Hal = halo] are prepared as fungicides.
IT **159331-22-3P**
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation as fungicide)
RN 159331-22-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5,7-dichloro-6-(2-chlorophenyl)- (9CI) (CA INDEX NAME)



L5 ANSWER 162 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:168566 CAPLUS
DOCUMENT NUMBER: 126:153997
TITLE: Preparation of arthropodicidal and fungicidal cyclic amides
INVENTOR(S): Brown, Richard James; Chan, Dominic Ming-Tak; Howard, Michael Henry, Jr.; Daniel, Dilon Jancey; Clark, David Alan; Selby, Thomas Paul
PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA; Brown, Richard James; Chan, Dominic Ming-Tak; Howard, Michael Henry, Jr.; Daniel, Dilon Jancey; Clark, David Alan; Selby, Thomas Paul
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9700612	A1	19970109	WO 1996-US10326	19960613
W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9661770	A1	19970122	AU 1996-61770	19960613
EP 836384	A1	19980422	EP 1996-919422	19960613
R: DE, FR, GB, IT				
CN 1188394	A	19980722	CN 1996-194937	19960613
BR 9609001	A	19990629	BR 1996-9001	19960613
JP 11508257	T2	19990721	JP 1996-503876	19960613
ZA 9605196	A	19971219	ZA 1996-5196	19960619
PRIORITY APPLN. INFO.:			US 1995-341P P	19950620
			WO 1996-US10326 W	19960613

OTHER SOURCE(S): MARPAT 126:153997
GI



I

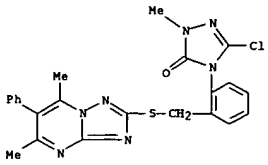
AB Preparation and title uses are given for I [E = (un)substituted 1,2-phenylene, naphthalene or heterocyclyl; A = O, S, N, NR3 or CR4; G = C or N; when G is C, then A is O, S or NR3 and a the floating double bond is attached to G; and when G is N, than A is N or CR4 and the floating double bond is attached to A; W = O, S, NH, N(C1-C6 alkyl) or NO(C1-C6 alkyl); X = H,

L5 ANSWER 162 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
OR1, SOmR1, halo, C1-C6 alkyl, C1-C6 haloalkyl, C3-C6 cycloalkyl, cyano, NH2, NHR1, N(C1-C6 alkyl)R1, NH(C1-C6 alkoxy) or N(C1-C6 alkoxy)R1; R2 = H, C1-C6 alkyl, C1-C6 haloalkyl, C2-C6 haloalkyl, C2-C6 alkenyl, C2-C6 haloalkenyl, C2-C6 alkynyl, C2-C6 haloalkynyl, C3-C6 cycloalkyl, C2-C4 alkylcarbonyl, C2-C6 alkoxycarbonyl, hydroxy, C1-C2 alkoxy or acetyloxy; R1= (halo)alkyl, (halo)alkenyl, etc.; R3= H, (halo)alkyl, etc.; Y = O, CO, SO, etc.; Z = (un)substituted alkyl,alkenyl or alkynyl, R4 = H, halo, alkyl, etc.; m = 0, 1 or 2].

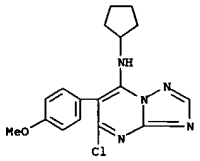
IT **186978-67-6P**
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(preparation as arthropodicide and fungicide)

RN 186978-67-6 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 5-chloro-4-[2-[[(5,7-dimethyl-6-phenyl[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)thio]methyl]phenyl]-2,4-dihydro-2-methyl- (9CI) (CA INDEX NAME)



L5 ANSWER 163 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

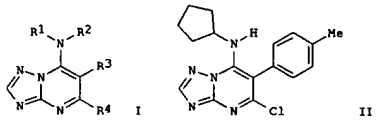


L5 ANSWER 163 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:127978 CAPLUS
DOCUMENT NUMBER: 126:171605
TITLE: Preparation of triazolopyrimidines as agrochemical fungicides
INVENTOR(S): Pees, Klaus Jurgen; Albert, Guido
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: U.S., 23 pp., Cont.-in-part of U.S. Ser. No. 276, 384, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5593996	A	19970114	US 1995-412401	19950328
PRIORITY APPLN. INFO.:			EP 1991-122422 A	19911230
			US 1992-998113 B1	19921229
			US 1994-276384 B2	19940718
OTHER SOURCE(S):	MARPAT 126:171605			

GI



AB The title compds. [I; R1 = C1-12 alkyl, C2-6 alkenyl, C2-6 alkynyl, etc.; R2 = H, C1-4 alkyl; R1R2 = (un)substituted pyrrolidinyl, piperidinyl, dihydropyridyl; R3 = (un)substituted Ph, naphthyl; R4 = halo, (un)substituted NH2], useful as fungicides, were prepared Thus, reaction of 5,7-dichloro-6-(4-methylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine with cyclopentylamine in the presence of Et3N in THF afforded 87% II which showed MIC of 12.5 μg/mL and 1.56 μg/mL against Botrytis cinerea and Alternaria solani, resp.

IT **150987-36-3P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); **BIOL (Biological study)**; **BIOL (Biological study)**; PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of triazolopyrimidines as agrochem. fungicides)

RN 150987-36-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-cyclopentyl-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 164 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:219111 CAPLUS
DOCUMENT NUMBER: 122:133227
TITLE: Preparation of 5,7-dihalo-[1,2,4]triazolo[1,5-a]pyrimidines as fungicides
INVENTOR(S): Pees, Klaus-Juergen; Becher, Heinz-Manfred
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij BV, Neth.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9420501	A1	19940915	WO 1994-EP635	19940303
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
IL 108747	A1	19990312	IL 1994-108747	19940223
CA 2157293	AA	19940915	CA 1994-2157293	19940303
AU 9462580	A1	19940926	AU 1994-62580	19940303
AU 690899	B2	19980507		
ZA 9401485	A	19941110	ZA 1994-1485	19940303
BR 9405988	A	19951226	BR 1994-5988	19940303
EP 699200	A1	19960306	EP 1994-909922	19940303
EP 699200	B1	19971029		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 1119015	A	19960320	CN 1994-191368	19940303
CN 1041927	B	19990203		
HU 73163	A2	19960628	HU 1995-1926	19940303
HU 219977	B	20011028		
JP 08507505	T2	19960813	JP 1994-519576	19940303
JP 3438892	B2	20030818		
AT 159722	E	19971115	AT 1994-909922	19940303
CZ 284158	B6	19980812	CZ 1995-2233	19940303
RU 2130459	C1	19990520	RU 1995-121948	19940303
PL 179164	B1	20000731	PL 1994-310467	19940303
US 5854252	A	19981229	US 1995-424535	19950828
PRIORITY APPLN. INFO.:			EP 1993-103464 A	19930304
			WO 1994-EP635 W	19940303
OTHER SOURCE(S):	MARPAT 122:133227			

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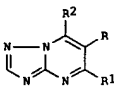
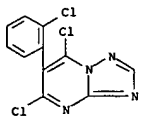


AB Fungicidal 5,7-dihalo-[1,2,4]triazolo[1,5-a]pyrimidines I (R = alkyl, alkoxy, etc.; R1, R2 = halo) were disclosed as agrochem. fungicides.

IT **159331-22-3P**, 5,7-Dichloro-6-(2-chlorophenyl)-[1,2,4]Triazolo[1,5-a]pyrimidine

L5 ANSWER 164 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RL: AGR (Agricultural use); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation); USES (Uses)
(prepn. of 5,7-dihalo-[1,2,4]triazolo[1,5-a]pyrimidines agrochem. fungicides)
RN 159331-22-3 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5,7-dichloro-6-(2-chlorophenyl)- (9CI) (CA INDEX NAME)

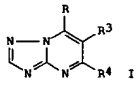


L5 ANSWER 165 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:671190 CAPLUS
DOCUMENT NUMBER: 119:271190
TITLE: Triazolopyrimidine derivatives with fungicidal activity
INVENTOR(S): Pees, Klaus Juergen; Albert, Guido
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B. V., Neth.
SOURCE: Eur. Pat. Appl., 38 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

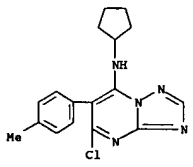
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 550113	A2	19930707	EP 1992-204097	19921228
EP 550113	A3	19930804		
EP 550113	B1	19971015		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
AU 9230435	A1	19930701	AU 1992-30435	19921224
AU 667204	B2	19960314		
BR 9205172	A	19930706	BR 1992-5172	19921228
ZA 9210043	A	19930728	ZA 1992-10043	19921228
CN 1075144	A	19930811	CN 1992-115232	19921228
CN 1033643	B	19961225		
HU 63305	A2	19930830	HU 1992-4135	19921228
HU 217349	B	20000128		
JP 05271234	A2	19931019	JP 1992-358632	19921228
JP 3347170	B2	20021120		
PL 171579	B1	19970530	PL 1992-312883	19921228
EP 782997	A2	19970709	EP 1997-105710	19921228
EP 782997	A3	19980722		
EP 782997	B1	20000426		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
IL 104244	A1	19970713	IL 1992-104244	19921228
RU 2089552	C1	19970910	RU 1992-16218	19921228
AT 159256	E	19971115	AT 1992-204097	19921228
ES 2108727	T3	19980101	ES 1992-204097	19921228
PL 174047	B1	19980630	PL 1992-297160	19921228
AT 192154	E	20000515	AT 1997-105710	19921228
ES 2147411	T3	20000901	ES 1997-105710	19921228
PT 782997	T	20000929	PT 1997-105710	19921228
CA 2086404	AA	19930701	CA 1992-2086404	19921229
CA 2086404	C	20030610		
CN 1141119	A	19970129	CN 1996-103723	19960322
CN 1074650	B	20011114		
HK 1010105	A1	20000623	HK 1998-110942	19980924
GR 3033916	T3	20001130	GR 2000-401601	20000707

PRIORITY APPLN. INFO.: EP 1991-122422 A 19911230; EP 1992-204097 A3 19921228; EP 1997-105710 A 19921228
OTHER SOURCE(S): MARPAT 119:271190
GI

L5 ANSWER 165 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



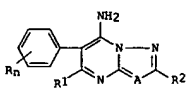
AB Amination of triazolopyrimidine derivs. I [R, R4 = halo; R3 = (un)substituted aryl] with amines HNR1R2 [R1 = (un)substituted alkyl, alkenyl, alkynyl, alkadienyl, cycloalkyl, bicycloalkyl, heterocyclyl; R2 = H, alkyl; or NR1R2 = (un)substituted heterocyclyl] and optional subsequent reaction(s) give claimed title compds. I [R = NR1R2, R1-R3 = same, R4 = H, halo, (un)substituted amino], useful as fungicides. Apple cuttings of the variety Morgenduft, (6 wk old) were treated with a solution of test compound I
(R = cyclopentylamino, R3 = Ph, R4 = Br) at 400 ppm in water/acetone/Triton X or water/methanol/Triton X. After 24 h., the plants were infected with Venturia inaequalis (about 50,000 conidia/mL), and after incubation for 14 days showed no infection.
IT **150987-15-8P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation)
(preparation and fungicidal activity of)
RN 150987-15-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-chloro-N-cyclopentyl-6-(4-methylphenyl)- (9CI) (CA INDEX NAME)



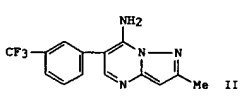
L5 ANSWER 166 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1983:215609 CAPLUS
DOCUMENT NUMBER: 98:215609
TITLE: 7-Aminoazolo[1,5-a]pyrimidines and fungicides containing them
INVENTOR(S): Eicken, Karl; Scheib, Klaus; Theobald, Hans; Pommer, Ernst Heinrich; Ammermann, Eberhard
PATENT ASSIGNEE(S): BASF A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3130633	A1	19830217	DE 1981-3130633	19810801
EP 71792	A2	19830216	EP 1982-106335	19820715
EP 71792	A3	19830406		
EP 71792	B1	19850130		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 11539	E	19850215	AT 1982-106335	19820715
IL 66358	A1	19850830	IL 1982-66358	19820720
CA 1180329	A1	19850101	CA 1982-407815	19820722
DD 202093	A5	19830831	DD 1982-242024	19820728
CS 226748	P	19840416	CS 1982-5723	19820729
DK 8203416	A	19830202	DK 1982-3416	19820730
DK 160020	B	19910114		
DK 160020	C	19910603		
AU 8286659	A1	19830210	AU 1982-86659	19820730
AU 553663	B2	19860724		
JP 58043974	A2	19830314	JP 1982-132278	19820730
JP 02061955	B4	19901221		
ZA 8205498	A	19830727	ZA 1982-5498	19820730
HU 30908	O	19840428	HU 1982-2474	19820730
HU 188325	B	19860428		
US 4567263	A	19860128	US 1984-651660	19840918

PRIORITY APPLN. INFO.: DE 1981-3130633 A 19810801; EP 1982-106335 A 19820715; US 1982-401346 A1 19820723
OTHER SOURCE(S): MARPAT 98:215609
GI



I



II

AB I (R = alkyl, aryl, alkoxy, halo, cycloalkyl, cyano, etc.; n = 1 or 2; R1, R2 = H, alkyl, aryl; A = N or CR3, where R3 = alkyl, aryl, halo, etc.) were prepared and shown to be superior as fungicides to, e.g., N-[(trichloromethyl)thio]phthalimide. Thus, 3-CF3C6H4CH(CN)CHO was refluxed with 5-methyl-3-pyrazolamine in AcOH 4 h to give II.
IT **85840-95-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

L5 ANSWER 166 OF 166 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
study, unclassified); SPN (Synthetic preparation); **BIOL (Biological study)**; PREP (Preparation)
(prepn. and fungicidal activity of)
RN 85840-95-5 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3-methylphenyl)- (9CI) (CA INDEX NAME)